

Samsung[®] A660

User Guide



SAMSUNG

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Introduction

This **User's Guide** introduces you to your wireless service and all the features of your new phone. It's divided into four sections:

- ◆ **Section 1:** Getting Started
- ◆ **Section 2:** Your Phone
- ◆ **Section 3:** Service Features
- ◆ **Section 4:** Safety and Warranty Information

Throughout this guide, you'll find tips that highlight special shortcuts and timely reminders to help you make the most of your new phone and service. The Table of Contents and Index will also help you quickly locate specific information.

You'll get the most out of your phone if you read each section. However, if you'd like to get right to a specific feature, simply locate that section in the Table of Contents and click on the page number to go directly to that page. Follow the instructions in that section, and you'll be ready to use your phone in no time.

Note: You can view this guide online or print it to keep it on hand. If you're viewing it online, simply click on a topic in the Table of Contents or Index or on any page reference. The PDF will automatically display the appropriate page.

Getting Started

Setting Up Service

In This Section

- ◆ **Getting Started**
 - ◆ **Setting Up Your Voicemail**
 - ◆ **Getting Help**
-


Setting up service on your new Samsung A660 is quick and easy.

This section walks you through the necessary steps to set up and unlock your phone, set up your voicemail, and contact your service provider for assistance with your wireless service.

Getting Started

Unlocking Your Phone

To unlock your phone, follow these easy steps:

1. Press  to turn the phone on.
2. Select **Unlock** (right softkey).

Note: To select a softkey, press the softkey button directly below the softkey text that appears at the bottom left and bottom right of your phone's display screen. Softkey actions change according to the screen you're viewing and will not appear if there is no corresponding action available.



3. Enter your four-digit lock code. (For security purposes, the code is not visible as you type.)

Tip: If you can't recall your lock code, try using the last four digits of either your Social Security number or wireless phone number or try 0000. If none of these work, call your service provider.

Setting Up Your Voicemail

All unanswered calls to your phone are automatically transferred to your voicemail, even if your phone is in use or turned off. Therefore, you will want to set up your voicemail and personal greeting as soon as your phone is activated.

To set up your voicemail:

1. Press and hold .
2. Follow the system prompts to:
 - Create your pass code
 - Record your greeting
 - Record your name announcement
 - Choose whether or not to activate One-Touch Message Access (a feature that lets you access messages simply by pressing and holding , bypassing the need for you to enter your pass code)

Note: The voicemail setup process may vary in certain areas.

For more information about using your voicemail, see “Using Voicemail” on page 98.

Voicemail Password

You'll create your voicemail password (or pass code) when you set up your voicemail. For more information or to change your voicemail password, please contact your service provider.

Getting Help

Directory Assistance

You have access to a variety of services and information through Directory Assistance, including residential, business, and government listings; assistance with local or long-distance calls; movie listings; and hotel, restaurant, shopping, and major local event information. There is a per-call charge and you will be billed for airtime.

To call Directory Assistance:

▶ Press     .

Operator Services

Operator Services provides assistance when placing collect calls or when placing calls billed to a local telephone calling card or third party.

To access Operator Services:

▶ Press   .

For more information, contact your service provider.

Note: Operator Services may not be available in all areas.

Your Phone

Your Phone: The Basics

In This Section



- ◆ **Front View of Your Phone**
 - ◆ **Viewing the Display Screen**
 - ◆ **Features of Your Samsung A660**
 - ◆ **Turning Your Phone On and Off**
 - ◆ **Using Your Phone's Battery and Charger**
 - ◆ **Displaying Your Phone Number**
 - ◆ **Making and Answering Calls**
 - ◆ **Entering Text**
-


Your phone is packed with features that simplify your life and expand your ability to stay connected to the people and information that are important to you. This section will guide you through the basic functions and calling features of your phone.

Front View of Your Phone























Key Functions

1. **Speaker:** The speaker allows you to hear the other caller and the different ring tones and sounds offered by your phone.
2. **Signal Strength Indicator:** This icon represents the signal strength by displaying bars. The more bars displayed, the better the signal strength.
3. **Display Screen:** The display screen displays all the information needed to operate your phone.
4. **Headset Jack:** Allows you to plug in an optional headset for safe, convenient hands-free conversations.
5. **OK/Voicemail Key:** Pressing  when navigating through a menu accepts the highlighted choice in the menu. Pressing  for two seconds automatically dials your voicemail.
6. **One-Touch Internet Access:** Allows you to access the Web with the press of a button. Press and hold to automatically launch the Web browser.
7. **Volume Key:** Allows you to adjust the ringer volume in standby mode (with the flip open) or adjust the voice volume during a call. The volume key can also be used to scroll up or down to navigate through the different menu options. To mute the ringer during an incoming call, press the volume key up or down.
8. **TALK Key:** Allows you to place or receive a call. In standby mode, press the key once to access the Outgoing call log. If you press and hold the key down, you will initiate the Voice Recognition feature.
9. **Numeric Keypad:** Use these keys to enter numbers, letters, and characters.
10. **Shift/Asterisk Key:** Enters the asterisk [*] character for calling features. In text entry mode, press to change the character input type.
11. **Accessory Interface Connector:** This connector is used to connect any available accessory cables to your phone.
12. **Power Interface Connector:** The power interface connector is used to plug in the charging accessories.

13. **Microphone:** The microphone allows the other caller to hear you clearly when you are speaking to them.
14. **Space/Pound Key:** Enters the pound [#] character for calling features. In text entry mode, press to enter a space.
15. **BACK Key:** Deletes characters from the display. When in a menu, press to return to the previous menu. This key also allows you to return to the previous screen in a data session.
16. **END Key:** Ends a call. Press and hold this key for a few seconds to turn your phone on or off. While in the main menu, it returns the phone to standby mode and cancels your input.
17. **Navigation Key:** This key allows you to scroll through the phone menu options, and provides a shortcut to phone functions from standby mode.
18. **MENU Key:** Displays the first level or Main Menu of options. Press  again to view the next menu page.
19. **Ringer Indicator:** This icon indicates that a ringer is set.
20. **Battery Indicator:** The battery indicator displays the amount of remaining battery charge currently available in your phone. When all bars are displayed in the battery icon, the phone's battery is fully charged. When no bars are displayed, the phone's battery is completely discharged or empty.
21. **Position Location:** This icon indicates that the position location feature is active.

Viewing the Display Screen

Your phone's display screen provides a wealth of information about your phone's status and options. This list identifies the symbols you'll see on your phone's display screen:

-  shows your current signal strength. (The more lines you have, the stronger your signal.)
-  means your phone cannot find a signal.
-  tells you a call is in progress.
-  indicates that you have voicemail and text messages waiting. Press  briefly to see a list of pending messages or press and hold to dial voicemail box.
-  indicates that data connection is active.
-  indicates that data connection is dormant or inactive.
-  indicates that you are receiving information.
-  indicates that you are sending information.
-  indicates that your phone is in vibrate mode.
-  shows your current battery charge strength. (Icon shown fully charged.)
-  indicates that position location is active.
-  indicates that position location is inactive.
-  indicates that the phone's TTY option is on.
-  indicates that your phone is roaming.
-  indicates that your phone is in security mode.
-  indicates that an alarm is set on your phone.
-  indicates that the ringer is set at a level between 1-8 or 1-Beep is selected.
-  indicates that the ringer is turned off.
-  indicates that something has been downloaded to your phone.

Note: Display indicators help you manage your roaming charges by letting you know when you're off the available network and whether you're operating in digital or analog mode. (For more information, see Section 2D: Controlling Your Roaming Experience on page 47.)

Features of Your Samsung A660

Congratulations on the purchase of your Samsung A660 wireless phone. This phone is lightweight, easy-to-use, and reliable, and it also offers many significant features and service options. The following list previews some of those features and options and provides page numbers where you can find out more:

- Dual-band/tri mode capability allows you to make and receive calls while on the available network and to roam on other analog and 800 and 1900 MHz digital networks where roaming agreements have been implemented (page 47).
- Data services provides access to the wireless Internet in digital mode (page 108).
- SMS Text Messaging provides quick and convenient text messaging capabilities (page 114).
- The built-in organizer lets you schedule alerts to remind you of important events (page 77).
- The Phone Book allows you to store 300 entries, with up to six phone numbers per entry (page 71).

Turning Your Phone On and Off

Turning Your Phone On

To turn your phone on:

▶ Press .

Once your phone is on, it displays “Looking for Service” which indicates that your phone is searching for a signal. When your phone finds a signal, it automatically enters standby mode – the phone’s idle state. At this point, you are ready to begin making and receiving calls.

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. When a signal is found, your phone automatically returns to standby mode.


In Power Save mode, your phone searches for a signal periodically without your intervention. You can also initiate a search for service by pressing any key (when your phone is turned on).

Tip:

The Power Save feature helps to conserve your battery power when you are in an area where there is no signal.

Turning Your Phone Off

To turn your phone off:

▶ Press and hold  for two seconds until you see the powering down animation on the display screen.

Your screen remains blank while your phone is off (unless the battery is charging).

Using Your Phone's Battery and Charger

Battery Capacity

Your phone is equipped with a Lithium Ion (LiIon) battery. It allows you to recharge your battery before it is fully drained. The battery provides approximately 3.4 hours of continuous digital talk time (1.6 hours in analog) or approximately 168 hours of continuous digital standby time (16 hours in analog).

When the battery reaches 5% of its capacity, the battery icon blinks. When there are approximately two minutes of talk time left, the phone sounds an audible alert and then powers down.

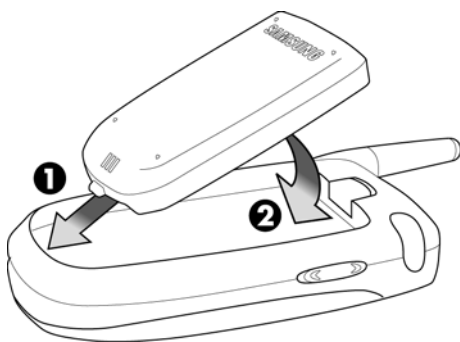
Note: Long backlight settings, searching for service, vibrate mode, and browser use affect the battery's talk and standby times.

Tip: Be sure to watch your phone's battery level indicator and charge the battery before it runs out of power.

Installing the Battery

To install the LiIon battery:

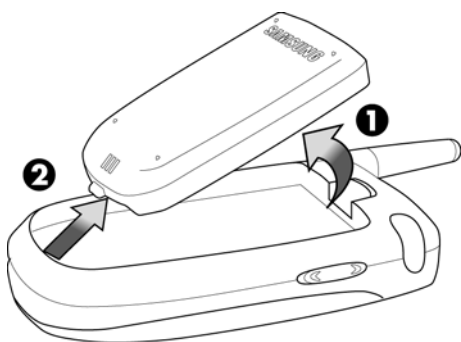
1. Insert the battery into the opening on the back of the phone at an angle, making sure the plastic tab on the bottom of the battery is inserted into the matching slot in the phone.
2. Press down until the battery snaps into place.



Removing the Battery


To remove your battery:

1. Make sure the power is off so that you don't lose any stored numbers or messages.
2. Push the battery release latch up completely.
3. Pull the top of the battery away from the phone and remove.



Charging the Battery

Your phone's LiIon battery is rechargeable and should be charged as soon as possible so you can begin using your phone.

Keeping track of your battery's charge is important. If your battery level becomes too low, your phone automatically turns off and you will lose all the information you were just working on. For a quick check of your phone's battery level, glance at the battery charge indicator located in the upper-right corner of your phone's display screen. If the battery charge is getting too low, the battery icon () blinks and the phone sounds a warning tone.

Always use an authorized desktop charger, travel adapter, or vehicle power adapter to charge your battery.

Warning! Using the wrong battery charger could cause damage to your phone and void the warranty.

Using the Travel Adapter

To use the travel adapter provided with your phone:

1. Plug the round end of the AC adapter into your phone and the other end into the electrical outlet.
 - A **red light** on the phone lets you know the battery is charging.
 - A **green light** indicates that the battery is at least 90 percent charged.




It takes approximately 4 hours to fully recharge a completely rundown battery. With the authorized LiIon battery, you can recharge the battery before it becomes completely run down.

When the flip is open, an animated battery icon is displayed on the screen. When the battery is completely charged, a green light is displayed continuously.

Displaying Your Phone Number

Just in case you forget your phone number, your Samsung A660 can remind you.


To display your phone number:

- ▶ Press    to access **Phone Info**. Your phone number and other information about your phone and account will be displayed.







Note: To access the phone's main menu, press **(Menu)** from standby mode. Menu items may be selected by highlighting them with the navigation key and pressing **OK**, or you can press the number corresponding to the menu item on your keypad.

Making and Answering Calls

Making Calls

Placing a call from your wireless phone is as easy as making a call from any land line phone. Just enter the number and press  and you're on your way to clear calls.

To make a call using your keypad:

1. Make sure your phone is on.
2. Enter a phone number. (If you make a mistake while dialing, press  to erase one digit at a time. Press and hold  to erase the entire number.)
3. Press . (To make a call when you are roaming and Call Guard is enabled, press  and then . See "Call Guard" on page 52.)
4. Press  or close the phone when you are finished.

Tip:

To redial your last outgoing call, press **TALK** twice.

When making calls off the available network, always dial using 11 digits (1 + area code + phone number).


You can also place calls from your A660 by Speed Dialing numbers from your Phone Book (page 23) and using your Call History listings (page 68).

Tip:

To speed dial a phone number from standby mode, press and hold the speed dial number. If the speed dial number is two digits, enter the first digit, then press and hold the second digit. (For information on setting up speed dial numbers, see "Assigning Speed Dial Numbers" on page 74.) (This feature will not work when you are roaming off the available network; when roaming you must dial using eleven digits [1 + the area code + the seven-digit phone number].)

Answering Calls

To answer an incoming call:


1. Make sure your phone is on. (If your phone is off, incoming calls go to voicemail.)
2. Press  to answer an incoming call. (Depending on your phone's settings, you may also answer incoming calls by opening the phone or by pressing any number key. See “Call Answer Mode” on page 39 for more information.)

Your phone notifies you of incoming calls in the following ways:

- The phone rings or vibrates.
- The LED flashes.
- The backlight illuminates.
- The screen displays an incoming call message.

If the incoming call is from a number stored in your Phone Book, the phone book entry's name is displayed. The caller's phone number may also be displayed, if available.



The following options are also available:

- Press  to quiet the ringer.
- Press and hold the volume key to send the call to your voicemail box.

Answering a Roam Call With Call Guard Enabled

Call Guard is an option that helps you manage your roaming charges when making or receiving calls while off of the available network. Please see Section 2D: Controlling Your Roaming Experience for more information about roaming.

To answer a call when you are roaming and Call Guard is enabled:

- ▶ Press  to acknowledge roaming and then  to answer the incoming call. (See “Call Guard” on page 52 for additional information.)

Note: When your phone is off, incoming calls go directly to voicemail.

Ending a Call

To disconnect a call when you are finished:

- ▶ Close the phone or press .

Missed Call Notification

When an incoming call is not answered, the Missed Call log is displayed on your screen.



To display the Missed Call entry:

- ▶ Highlight the entry and press . (To dial the phone number, press .)

Calling Emergency Numbers

You can place calls to 911 (dial     and press ) , even if your phone is locked or your account is restricted.

In-Call Options

Select actions by pressing  during a call. A list of features is displayed that allows you to perform different actions during the course of a call. The following options are available: (To select an option, press the corresponding keypad number or highlight the option and press .)

- **(1) Mute or UnMute** allows you to mute or reactivate your phone's microphone.
- **(2) Call History** checks your call log for Missed, Outgoing, and Incoming calls. You can also erase the logs from this menu.
- **(3) Phone Book** accesses the Phone Book menu options.
- **(4) 3-Way Call** allows you to talk to two different people at the same time. (For more information, see "Making a Three-Way Call" on page 106.)
- **(5) Messaging** allows you to check for voicemail and notifications.
- **(6) Voice Memo** allows you to record the current conversation. (For more information, see "Reviewing and Erasing Memos" on page 95.)
- **(7) Tools** accesses the Tools menu options.

- **(8) Phone Info** displays the hardware/software version, network access identifier (NAI), and PRL being used.

End-of-Call Options








After receiving a call from or making a call to a phone number that is not in your Phone Book, the phone number and the duration of the call are displayed. The right softkey displays the **Save** option. Select this option if you wish to add the new number to your Phone Book. (See below for more information on “Saving a Phone Number”.)

Note: The End-of-Call options are not displayed for calls identified as No ID or Restricted.

Saving a Phone Number

Your Samsung A660 can store up to six phone numbers in each of 300 Phone Book entries. Each entry’s name can contain 20 characters. Your phone automatically sorts the Phone Book entries alphabetically. (For more information, see Section 2G: Using the Phone Book on page 71.)






To save a number from standby mode:

1. Enter a phone number.
2. Press .
3. Press  again for **Add New Entry**.
— or —
Scroll through the phone book to select an existing name and press  to add the additional number to the selected entry.
4. Use your navigation key to select a label (**Home, Work, Mobile, Pager, Fax, or No Label**) and press .
5. Enter a name for the entry using the numeric keys. Press  to change the entry method between **T9 (English), Alpha, Symbol, and Number**. (See "Entering Text" on page 24.)
6. When finished entering the name, press  to return to the phone book entry.
7. Press  to save the entry.

Finding a Phone Number

You can search Phone Book entries for phone numbers that contain a specific string of numbers.


To find a phone number:

1. Enter one to four numbers of the last four digits of a phone number and press   or  for **Find**. (A list of possible matches is displayed.)
2. Select the desired entry and press .
3. To dial the number, press .

Dialing and Saving Phone Numbers With Pauses





You can dial or save phone numbers with pauses for use with automated systems, such as voicemail or credit card billing numbers.

There are two types of pauses available on your phone:

- **Hard Pause** sends the next set of numbers when you press .
- **2Sec Pause** automatically sends the next set of numbers after two seconds.

Note: You can have multiple pauses in a phone number and combine 2-second and hard pauses.

To dial or save phone numbers with pauses:







1. Enter a phone number from standby mode.
2. Press  and select **Hard pause** or **2Sec pause**. Hard pauses are displayed as a “P” and 2-second pauses as a “T”.
3. Enter additional numbers.
4. Press  to dial the number.
— or —
Press   (**Save**) to save the number in your internal Phone Book.

Note: When dialing a number with a hard pause, press **TALK** to send the next set of numbers.

Abbreviated Dialing



Abbreviated dialing allows you to enter a six-digit prefix for commonly used phone numbers. When abbreviated dialing is On, you can enter the last four digits of any phone number that matches the six digit prefix, and the number is dialed using the prefix numbers with only the last four entered.

To set up abbreviated dialing:

1. Press  for **Main Menu**.
2. Press  for **Settings**.
3. Press  for **Others**.
4. Press  for **Abbrev. Dial**.
5. Press the navigation key up or down to select **On** and press .
6. Input the six digit prefix and press  to **Save**.

Making an Abbreviated Dial Call


To make a call:

1. Enter the last four digits of the prefix phone number.
2. Press   for **Abbrev. Dial**.

Dialing From the Phone Book

To dial directly from a Phone Book entry:

1. Press the navigation key up to display your internal Phone Book.
2. Scroll left or right to search by **Name**, **Entry**, or **Group**.
3. Highlight the desired option and press the navigation key down.
4. Enter the first few letters of the entry's name to locate the desired entry.
— or —
Enter the entry number using the keypad.
— or —
Press the navigation key left or right to select the desired group.

5. Scroll to highlight the desired entry and press  to make the call.

Note: If the desired entry contains more than one phone number, scroll left or right to display the number you wish to call and press TALK to make the call.

Using One-Touch/Two-Touch/Three-Touch Speed Dialing

You can store up to three hundred numbers in your phone's speed dial memory to make contacting friends and family as easy as pressing a few buttons. With this feature, you can dial Speed Dial entries using one key press for locations 1-9, two key presses for locations 10-99, and three key presses for 100-300.

To use One-Touch Dialing for Speed Dial locations 1-9:

- ▶ Press and hold the appropriate key for approximately two seconds. The display confirms that the number has been dialed when it shows "Calling..."

To use Two-Touch Dialing for Speed Dial locations 10-99:

1. Press the first digit.
2. Press and hold the second digit for approximately two seconds. The display confirms that the number has been dialed when it shows "Calling..."

To use Three-Touch Dialing for Speed Dial locations 100-300:

1. Press the first digit.
2. Press the second digit.
3. Press and hold the third digit for approximately two seconds. The display confirms that the number has been dialed when it shows "Calling..."


Note: Speed dialing is not available when you are roaming; when you are roaming off the available network, you must always dial using eleven digits (1 + area code + number).

Entering Text

Selecting a Character Input Mode



Your phone provides convenient ways to enter words, letters, punctuation, and numbers whenever you are prompted to enter text (for example, when adding a Phone Book entry or when sending text messages).



To change the character input mode:

1. When you display a screen where you can enter text, press .
2. Select a character input mode:
 - **T9 (English)** to enter characters using predictive T9 Text Input (see page 24).
 - **Alpha** to enter characters by tapping the keypad (see page 25).
 - **Symbol** to enter symbols (see page 25).
 - **Number** to enter numbers (see page 25).

Entering Characters Using T9 Text Input

T9 Text Input lets you enter text in your phone by pressing keys just once per letter. (To select the **T9 (English)** mode when entering text, see “Selecting a Character Input Mode” on page 24.)













T9 Text Input analyzes the letters you enter using an intuitive word database and creates a suitable word. (The word may change as you type.) If the word you want does not display after you have entered all the letters, press  to scroll through additional word selections. To accept a word and insert a space, press .

If you make a mistake, press  to erase a single character. Press and hold  to delete an entire entry.

Entering Characters by Tapping the Keypad

To enter characters by tapping the keypad, select the Alpha mode (see “Selecting a Character Input Mode” on page 24). Press the corresponding key repeatedly until the desired character appears. By default, the first letter of a word is capitalized and following letters are lowercase.

Characters scroll in the following order:

-  . , - ? ! ' @ : / 1
-  A B C 2
-  D E F 3
-  G H I 4
-  J K L 5
-  M N O 6
-  P Q R S 7
-  T U V 8
-  W X Y Z 9
-  0
-  Space
-  Shift

After a character is entered, the cursor automatically advances to the next space after two seconds or when you enter a character on a different key.

Entering Numbers and Symbols

To enter numbers:

- ▶ Select the **Number** mode and press the appropriate key. (See “Selecting a Character Input Mode” on page 24).

To enter symbols:

- ▶ Select the **Symbol** mode. (See “Selecting a Character Input Mode” on page 24.) To enter a symbol, press the appropriate key indicated on the display.

Controlling Your Phone's Settings

In This Section

- ◆ **Sound Settings**
 - ◆ **Display Settings**
 - ◆ **Location Settings**
 - ◆ **Airplane Mode**
 - ◆ **TTY Use With Your Wireless Service**
 - ◆ **Phone Setup Options**
-

Using the menu options available on your Samsung A660, you can customize your phone to sound, look, and operate just the way you want it to. This section describes how you can change your phone's settings to best suit your needs. Take a few moments to review these options and to adjust or add settings that are right for you.

Sound Settings

Ringer Types









Ringer types help you identify incoming calls and messages. You can assign ringer types to individual phone book entries, types of calls, and types of messages.

- **Single Tones** are non-polyphonic traditional style ring tones.
- **Ring Tones** include a variety of standard ringer types.
- **Melodies** includes a variety of standard musical melodies.
- **Vibrate** alerts you to calls or messages without disturbing others. To select vibrate mode, press the volume key down while your phone is in idle mode until Vibrate is selected.

Selecting Ringer Types for Voice Calls

Your phone provides a variety of ringer options that allow you to customize your ring and volume settings. These options allow you to identify incoming calls by the ring.









To select a ringer type for voice calls:

1. Press   for **Settings**.
2. Press  for **Sounds**.
3. Press  for **Ringer Type**.
4. Press  for **Voice Calls**.
5. Press  for **With Caller ID** or  for **No Caller ID**.
6. Press the navigation button left or right to select **Single Tones**, **Ring Tones**, or **Melodies**.
7. Press the navigation button down and then left or right to select the desired Ringer.
8. Press  to **Save** and exit.

Note: To access the phone's main menu, press **(Menu)** from standby mode. Menu items may be selected by highlighting them with the navigation key and pressing **OK**, or you can press the number corresponding to the menu item on your keypad.







Selecting Ringer Types for Messages

To select a ringer type for messages:

1. Press   for **Messaging**.
2. Press  for **Settings**.
3. Press  for **Message Alerts**.
4. Press  for **Type**.
5. Press  for **Vicemail** or  for **Text Messages**.
6. Press the navigation button left or right to select **Single Tones**, **Ring Tones**, **Melodies**, or **Downloaded**.
7. Press the navigation button down and then left or right to select the desired Ringer.
8. Press  to **Save** and exit.







Selecting Ringer Types for Schedule

To select a ringer type for schedules:

1. Press   for **Settings**.
2. Press  for **Sounds**.
3. Press  for **Ringer Type**.
4. Press  for **Schedule**.
5. Press the navigation button left or right to select **Single Tones**, **Ring Tones**, **Melodies**, or **Downloaded**.
6. Press the navigation button down and then left or right to select the desired Ringer.
7. Press  to **Save** and exit.

Selecting Ringer Type for Roam Ringer

To select a ringer type for roam ringer:

1. Press   for **Settings**.
2. Press  for **Sounds**.
3. Press  for **Ringer Type**.
4. Press  for **Roam Ringer**.
5. Select **Normal** or **Distinctive** and press .






Selecting a Key Tone

Your phone offers a number of options for selecting the audible tones accompanying a key press. (Longer tone lengths may be better for tone recognition when dialing voicemail or other automated systems.)

There are three different tones available:






- **Normal** - Normal key beeps are heard when a button is pressed.
- **Piano** - Piano polyphonic tones are heard when a key is pressed.
- **Beep** - Polyphonic beep tones are heard when you press a key.

To select a key tone:

1. Press  for **Settings**.
2. Press  for **Sounds**.
3. Press  for **Key Tone**.
4. Press  for **Tone Type**.
5. Press the navigation key up or down to select the desired tone type.
6. Press  to **Save**.

Key Tone Volume






To adjust the key tone volume:

1. Press  for **Settings**.
2. Press  for **Sounds**.
3. Press  for **Key Tone**.
4. Press  for **Tone Level**.
5. Press the navigation key right to increase or left to decrease the volume.
6. Press  to **Select**.

Selecting Tone Length

Your phone offers a number of options for selecting the audible tones accompanying a key press. Longer tone lengths may be better for tone recognition when dialing voicemail or other automated systems.








To select a key tone:

1. Press   for **Settings**.
2. Press  for **Sounds**.
3. Press  for **Tone Length**.
4. Select **Short** or **Long** and press .

Adjusting the Phone's Volume Settings

You can adjust your phone's volume settings to suit your needs and your environment.

To adjust the ringer, key beep, or earpiece volume:

1. Press   for **Settings**.
2. Press  for **Sounds**.
3. Press  for **Ringer Volume**.
4. Press  for **Calls** or  for **Alarms**.
5. Press the navigation key left or right until the desired volume level is selected and press  to **Save** and exit.

Tip:

You can adjust the ringer volume in standby mode (or the earpiece volume during a call) by using the volume key on the side of your phone.











Alert Notification

Your phone can alert you with an audible tone when you change service areas, once a minute during a voice call, or when a call has been connected.

The different actions available are:

- **Minute Beep** - An alert tone is sounded every minute that you are connected.
- **Service** - An alert tone is sounded when you come in or out of your coverage area.
- **Connect** - An alert tone is sounded when you are initially connected.
- **Sig. Fade Tone** - An alert tone is sounded when the signal fades and the connection is lost.
- **Power On/Off** - An alert tone is sounded when your phone is powered On or Off.
- **Flip Sound** - An alert is sounded when the flip is opened or closed.

To enable or disable alert sounds:

1. Press  for **Settings**.
2. Press  for **Sounds**.
3. Press  for **Alerts**.
4. Press:
 -  for **Minute Beep**.
 -  for **Service**.
 -  for **Connect**.
 -  for **Sig. Fade Tone**.
 -  for **Power On/Off**.
 -  for **Flip Sound**.
5. Select **On** or **Off** using the navigation key and press .

Silence All

There may be times when you need to silence your phone entirely. The phone's Silence All option allows you to mute all sounds without turning your phone off.

To activate Silence All:

- ▶ Press and hold the volume key down in standby mode. (The screen will display "Off.")

To deactivate Silence All:








- ▶ Press the volume key up repeatedly to select a desired volume level.

Display Settings

Changing the Text Greeting







The text greeting can be up to twelve characters and is displayed on your phone's screen in standby mode. You may choose to display a custom greeting or you may display your user name on the screen.

To display or change your custom greeting:

1. Press   for **Settings**.
2. Press  for **Display**.
3. Press  for **Greeting**.
4. Select **Custom** using the navigation key and press .
5. Press and hold  to clear the existing greeting.
6. Use the numeric keypad to enter a new custom greeting. (See "Entering Text" on page 24.)
7. Press  to **Save** and exit.

Note: To access the phone's main menu, press **(Menu)** from standby mode. Menu items may be selected by highlighting them with the navigation key and pressing **OK**, or you can press the number corresponding to the menu item on your keypad.









To display your user name:

1. Press   for **Settings**.
2. Press  for **Display**.
3. Press  for **Greeting**.
4. Select **User Name** using the navigation key and press .
5. Select **Yes** to confirm and press .

Changing the Backlight Time Length

The backlight setting lets you select how long the display screen and keypad are backlit after any key press is made.

To change the backlight setting:







1. Press   for **Settings**.
2. Press  for **Display**.
3. Press for  **Backlight**.
4. Press  for **Main Display**,  for **Keypad**,  for **Pwr Save Mode**.
5. Use the navigation key to select **Flip Open, 30 seconds, 15 seconds, 8 seconds** for the Main Display. **Flip Open, 30 seconds, 15 seconds, 8 seconds, or Off** for Keypad; or **On or Off** for Pwr Save Mode.
6. Press  to **Select**.

Note: Long backlight settings affect the battery's talk and standby times.

Changing the Display Screen

Your new phone offers options for what you see on the display screen when in standby mode.






To change the display images:

1. Press   for **Settings**.
2. Press  for **Display**.
3. Press  for **Screen Saver**.
4. Press  for **Local Image**.
5. Press the navigation key left or right to display **Eagle, World Time, Calendar, Launch Pad, or Digital Clock** in local image mode.
6. Press  to **Select**.

Changing the Contrast

You can adjust your screen's contrast (brightness) to suit your surroundings.






To adjust the display's contrast:

1. Press   for **Settings**.
2. Press  for **Display**.
3. Press  for **Contrast**.
4. Press the navigation key left or right to select **Lowest, Low, Med, High, or Highest**.
5. Press  to **Save**.

Changing the Phone's Menu Style

Your phone allows you to choose how the menu appears on your display screen.

To select the display's menu style:

1. Press   for **Settings**.
2. Press  for **Display**.
3. Press  for **Menu Style**.
4. Press the navigation key up or down to select **Camera** or **Nature** and press .






Location Settings



Your SPH-a660 is equipped with a Location feature for use in connection with location-based services that may be available in the future.

The Location feature allows the network to detect your position. Turning Location off will hide your location from everyone except 911.

Note: Even if the Location feature is enabled, no service may use your location without your express permission.

To enable your phone's Location feature:






1. Press   for **Settings**.
2. Press  for **Others**.
3. Press  for **Location**. (A brief explanation will display. Use your navigation key to scroll through to read the entire text.)
4. Press the navigation key up or down to select **On** or **Off**.
5. Press  to **Select**.

When the Location feature is on, your phone's standby screen will display the  icon. When Location is turned off, the  icon will display.

Airplane Mode

Airplane Mode allows you to use many of your phone's features, such as Games, Notepad, Voice Memos, etc., when you are in an airplane or in any other area where making or receiving calls or data is prohibited. When your phone is in Airplane Mode, it cannot send or receive any calls or access online information.

To set your phone to Airplane Mode:





1. Press   for **Settings**.
2. Press  for **Airplane Mode**. (A brief explanation of Airplane Mode will display.)
3. Press  to continue.
4. Press the navigation key up or down to select **On** or **Off** and press .

While in Airplane Mode, your phone's standby screen will display "Phone off."

T TTY Use With Your Wireless Service

A TTY (also known as a TDD or Text Telephone), is a telecommunications device that allows people who are deaf or hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your phone is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it supports digital wireless transmission. Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

When establishing your wireless service, please call your service provider via the state Telecommunications Relay Service (TRS) by first dialing    . Then provide the state TRS with this number: 866-727-4889.

To turn TTY Mode on or off:

1. Press . (A brief explanation of TTY Mode will display.)
2. Press again to continue.
3. Press the navigation key up or down to select **Enable TTY** or **Disable TTY** and press .

Note:

In TTY Mode when your headset is plugged in, your phone will display the TTY access icon.

If TTY mode is enabled, the audio quality of non-TTY devices connected to the headset jack may be impaired.

IMPORTANT NOTICE:

911 Emergency Calling









It is recommended that TTY users make emergency calls by other means, including Telecommunications Relay Services (TRS), analog cellular, and land line communications. Wireless TTY calls to 911 may be corrupted when received by public safety answering points (PSAPs) rendering some communications unintelligible. The problem encountered appears related to TTY equipment or software used by PSAPs. This matter has been brought to the attention of the FCC, and the wireless industry and PSAP community are currently working to resolve this.

Phone Setup Options


Shortcut

Your phone offers you the option of assigning shortcut keys to favorite or often-used functions. Pressing the navigation key in the proper direction in standby mode will launch your personally designated shortcuts.






To assign a shortcut key:

1. Press   for **Settings**.
2. Press  for **Launch Pad**.
3. Press  for **Up Key**,  for **Down Key**,  for **Left Key**, or  for **Right Key**.
4. Press the navigation key up or down to select one of the following functions:
 - Phone Book
 - Voice Memo
 - Scheduler
 - Voice Dial
 - Ringer Type
 - Downloads
 - Display
 - Alarms
 - Calculator
 - Web
5. Press to  **Select**.

Call Answer Mode

You can determine how to answer incoming calls on your phone, whether you want to be required to press , to press any number key, or simply to open the phone.






To set call answer mode:

1. Press   for **Settings**.
2. Press  for **Others**.
3. Press  for **Call Answer** and select one of the following:
 - **Any Key**
 - **Talk Key**
 - **Flip Open**
4. Press  to **Select**.

Auto-Answer Mode

You may set your phone to automatically pick up incoming calls when connected to an optional hands-free car kit.






To set Auto-Answer mode:

1. Press   for **Settings**.
2. Press  for **Others**.
3. Press  for **Auto Answer**.
4. Press the navigation key up or down to select **Yes** or **No**.
5. Press  to **Select**.

Display Language

You can choose to display your phone's onscreen menus in English or in Spanish.

To assign a language for the phone's display:

1. Press   for **Settings**.
2. Press  for **Others**.
3. Press  for **Language**.
4. Press the navigation key up or down to select **English** or **Español**.
5. Press  to **Select**.

Setting Your Phone's Security

In This Section




- ◆ **Accessing the Security Menu**
 - ◆ **Using Your Phone's Lock Feature**
 - ◆ **Restricting Calls**
 - ◆ **Erasing the Phone Book**
 - ◆ **Resetting Your Phone**
 - ◆ **Using Special Numbers**
 - ◆ **Security Features for Data Services**
-

By using the security settings on your wireless phone, you receive peace of mind without sacrificing flexibility. This section will familiarize you with your phone's security settings. With several options available, you can customize your phone to meet your personal needs.

Accessing the Security Menu

All of your phone's security settings are available through the Security menu. You must enter your lock code to view the Security menu.

To access the Security menu:

1. Press   for **Settings**.
2. Press  for **Security**.
3. Enter your lock code. (The security menu is displayed.)

Tip:



If you can't recall your lock code, try using the last four digits of either your Social Security number or wireless phone number or try 0000. If none of these work, call your service provider.

Using Your Phone's Lock Feature



Locking Your Phone

When your phone is locked, you can only receive incoming calls or make calls to 911 or special numbers.

To lock your phone:

1. From the Security menu, press  for **Lock Phone**.
2. Highlight **Lock Now** and press .

To Lock on Power-Up

1. From the Security menu, press  for **Lock Phone**.
2. Using the navigation key, select **On Power-Up** and press .




Unlocking Your Phone

To unlock your phone:

1. Press .
2. Enter your lock code.

Changing the Lock Code


To change your lock code:

1. From the Security menu, press  for **Change Lock**.
2. Enter your new lock code and press .
3. Re-enter your new lock code and press .

Calling in Lock Mode

You can place calls to 911 and to your special numbers when in lock mode. (For information on special numbers, see “Using Special Numbers” on page 43.)

To place an outgoing call in lock mode:

- ▶ To call an emergency number or a special number, enter the phone number and press .






Restricting Calls


There may be occasions when you want to limit the numbers your phone can call or from which it can receive calls. You can use the Restrict Calls setting to do just that. (The Restrict Calls setting does not apply to 911.)

You can select between the following options:

- **Allow all** - Allows all calls to be made without any restrictions. (Default setting.)
- **PBook Only** - Allows you to call only the entries saved in the phone book. You can receive incoming calls from anyone.
- **Special# Only** - Allows you to call only the three numbers stored in the Special# section in the Security menu. You can receive incoming calls from anyone.

To restrict calls:

1. Press   for **Settings**.
2. Press  for **Others**.
3. Press  for **Restriction** and enter the lock code using the keypad.
4. Press  for **Outgoing Call**.

5. Press the navigation key up or down to select **Allow all, PBook Only**, or **Special# Only** and press .




Note: Restricted incoming calls are forwarded to voicemail.

Using Special Numbers

Special numbers are important numbers that you have designated as being “always available.” You can call and receive calls from special numbers even if your phone is locked.

You can save three special numbers in addition to your Phone Book entries (the same number may be in both directories).

To add or replace a special number:




1. From the Security menu, press  for **Special #**.
2. Select entry one, two, or three and press .
3. Enter the number using the keypad.
4. Press  to **Save**.

Note: There are no Speed Dial options associated with special numbers.

Erasing the Phone Book

You can quickly and easily erase all of the contents of your Phone Book.



To erase all the names and phone numbers in your Phone Book:

1. From the Security menu, press  for **Erase Pbook**.
2. Press the navigation key up and select **Yes**.
3. Press .
4. Press the navigation key up again to confirm and select **Yes**.
5. Press  to permanently delete.

Erase Downloads

Erase Downloads deletes all saved downloaded content from the phone, including games, ringers, screen savers, and applications.




To erase your downloads:

1. From the Security menu, press  for **Erase Downloads**.
2. Press the navigation key up and select **Yes**.
3. If you are certain you wish to erase all downloaded content, press .

Resetting Your Phone

Resetting the phone restores all the factory defaults, including the ringer types and display settings. The Phone Book, Call History, Scheduler, and Messaging are all erased when you reset your phone.

To reset your phone:







1. From the Security menu, press  for **Reset Phone**.
2. Press the navigation key up and select **Yes**.
3. Press .
4. Press the navigation key up again to confirm and select **Yes**.
5. Press  to reset.

Security Features for Data Services

Enabling and Disabling Data Services

You can disable data services without turning off your phone; however, you will not have access to all data services, including Web and messaging. Disabling data services will avoid any charges associated with such services. While signed out, you can still place or receive phone calls, check voicemail, and use other voice services. You may enable data services again at any time.

To disable data services:

1. Press   for **Settings**.
2. Press  for **Web**.
3. Press  for **Enable/Disable Web**.
4. Read the information message and press .
5. Select **Disable Web** or **Enable Web** and press  to **Save**.






Net Guard

The Net Guard option allows you to be prompted each time you connect to data services. When you access the Web, a screen is displayed with the following two choices:

- Connect
- Always Auto-Connect

If you select **Connect**, you are connected to data services and you are prompted again the next time you sign in. If you select **Always-Auto-Connect**, you are connected automatically each time you sign in to data services.

To set Net Guard:

1. Press   for **Settings**.
2. Press  for **Web**.
3. Press  for **Net Guard**.
4. Press the navigation key up or down to select **On** or **Off**.
5. Press  to **Select**.

Update Data Profile

The data profile keeps all your username and login information which allows you to connect to data services. It may become necessary to update the profile to maintain peak efficiency.

To update your profile:

1. Press   for **Settings**.
2. Press  for **Web**.
3. Press  for **Update Data Profile**.

Your phone will connect to the browser and update your data profile. When the update is finished, the idle screen is displayed.

Controlling Your Roaming Experience

In This Section

- ◆ **Understanding Roaming**
 - ◆ **Setting Your Phone's Roam Mode**
 - ◆ **Controlling Roaming Charges Using Call Guard**
-



Roaming is the ability to make or receive calls when you're off the available network. Your new dual-band/tri-mode phone works anywhere on the available network and allows you to roam on other analog and 1900 and 800 MHz digital networks where roaming agreements have been implemented with other carriers.

This section explains how roaming works as well as special features that let you manage your roaming experience.

Understanding Roaming

Recognizing Icons on the Display Screen

Your phone's display screen always lets you know when you're off the available network and whether your phone is operating in analog or digital mode. The following chart indicates what you'll see depending on where you're using your phone.

	Roaming Indicator	Analog Indicator
Available Network		
Other Digital Networks		
Analog Networks		Analog Roam

Tip: Remember, when you are using your phone off the available network, always dial numbers using 11 digits (1 + area code + number).

Roaming on Other Digital Networks

When you're roaming on digital networks, your call quality and security will be similar to the quality you receive when making calls on the available network. However, you may not be able to access certain features, such as data services.

Roaming on Analog Networks

When you roam on analog networks, you will experience a similar quality provided by other analog carriers today. Although some features, such as data services, will be unavailable, you can still make and receive calls and access voicemail. If you are accustomed to digital network service, you may notice some of the following differences when using analog service:

- You are more likely to experience static, cross-talk, fade-out, and dropped calls.
- Some features which are standard on the available network, such as call waiting, data services, and direct international dialing, are unavailable.
- Though callers can leave voicemail messages while you are roaming, you may not receive notification until you return to the available network. (See “Checking for Voicemail Messages While Roaming” on page 50).
- There are security and privacy risks (eavesdropping and cloning) that exist with conventional analog services today.
- Your battery’s charge will deplete more quickly and you will need to recharge it more often when you use your phone for analog roaming.


Note: If you’re on a call when you leave the available network and enter an area where roaming is available (whether digital or analog), your call is dropped. If your call is dropped in an area where you think network service is available, turn your phone off and on again to reconnect to the available network.

When using your phone in analog mode, the phone may feel warm. This is normal for analog operation.

Checking for Voicemail Messages While Roaming

When you are roaming off the available network, you may not receive on-phone notification of new voicemail messages. Callers can still leave messages, but you will need to periodically check your voicemail for new messages if you are in a roaming service area for an extended period of time.

To check your voicemail while roaming:

1. Dial 1+area code+your wireless phone number.
2. When you hear your voicemail greeting, press  .
3. Enter your pass code at the prompt and follow the voice prompts.

When you return to the available network, voicemail notification will resume as normal.







Setting Your Phone's Roam Mode

Your phone allows you to control your ability to roam. By using the **Roaming** menu option, you can determine which signals your phone accepts.

Set Mode

Choose from three different settings on your dual-band/tri-mode phone to control your roaming experience.

To set your phone's roam mode:







1. Press   for **Settings**.
2. Press  for **Others**.
3. Press  for **Roaming**.
4. Press  for **Set Mode**.
5. To select an option, highlight it and press .
 - **Automatic:** This setting seeks network service. When network service is unavailable, the phone searches for an alternate system.
 - **Analog:** This setting forces the phone to seek an analog roaming system. The previous setting (Digital or Automatic) is restored the next time the phone is turned on.
 - **Digital:** This setting allows you to access the available network only and prevents roaming on other networks.

Note: To access the phone's main menu, press **(Menu)** from standby mode. Menu items may be selected by highlighting them with the navigation key and pressing **OK**, or you can press the number corresponding to the menu item on your keypad.

Controlling Roaming Charges Using Call Guard



Your phone has two ways of alerting you when you are roaming off the available network: the onscreen roaming icon and Call Guard. Call Guard makes it easy to manage your roaming charges by requiring an extra step before you can place or answer a roaming call. (This additional step is not required when you make or receive calls while on the available network.)

To turn Call Guard on or off:



1. Press   for **Settings**.
2. Press  for **Others**.
3. Press  for **Roaming**.
4. Press  for **Call Guard**.
5. Highlight **On** or **Off** and press . (A message confirming your choice will display briefly.)

Note: Voice Dialing and Speed Dialing are not available when you are roaming with Call Guard enabled.

To place roaming calls with Call Guard on:

1. From standby mode, dial 1 + area code + the seven-digit number and press . (You can also initiate a call from the Phone Book, Call History, or Messaging.)
2. A message is displayed indicating that roaming rate applies. Press  to place the call.

To answer incoming roaming calls with Call Guard on:

1. Press . (A message will appear notifying you that roaming charges will apply.)
2. Press  to accept and answer the call.

Reminder: If the Call Guard feature is set to **On**, you need to take extra steps to make and receive roaming calls, even if you have selected the Analog setting (see page 51).

Navigating Through Menus

In This Section

- ◆ **Menu Navigation**
 - ◆ **Menu Structure**
 - ◆ **Viewing the Menus**
-

Every function and feature of your Samsung A660 can be accessed through an onscreen menu. This section is a road map to using your phone. Please take a few moments to learn your way around and you'll find your phone easier to use.


Menu Navigation

The navigation key on your phone allows you to scroll through menus quickly and easily. The scroll bar at the right of the menu keeps track of your position in the menu at all times.

To navigate through a menu, simply press the navigation key up or down. If you are in a first-level menu, such as **Settings**, you may also navigate to the next or previous first-level menu by pressing the navigation key right or left.

Menu Structure

Selecting Menu Items

As you navigate through the menu, menu options are highlighted. Select any numbered option by simply pressing the corresponding number on the phone's keypad. You may also select any item by highlighting it and pressing .

For example, if you want to view your last incoming call:

1. Press   for **Call History**.
2. Press  for **Incoming Calls**.

Backing Up Within a Menu

To go to the previous menu:

- ▶ Press .

To return to standby mode:

- ▶ Press .

Viewing the Menus

Menu Diagram

The following list outlines your phone's menu structure.

1: Call History

- 1: Missed Calls
- 2: Outgoing Calls
- 3: Incoming Calls
- 4: Erase History
 - 1: Missed Calls
 - 2: Outgoing Calls
 - 3: Incoming Calls
 - 4: All Calls

2: Phone Book

- 1: Find
 - 1: By Name
 - 2: By Entry
 - 3: By Group
- 2: Add New Entry
- 3: Group Setting
 - 1: Family
 - 2: Friends
 - 3: Colleague
 - 4: VIPs
- 4: My Phone #
- 5: Services
 - 1: Customer Care
 - 2: Dir Assist

3: Messaging

- 1: Send Message
- 2: Inbox
- 3: Outbox
- 4: Draft
- 5: Voicemail
- 6: Settings
 - 1: Display Popup
 - 1: On
 - 2: Off
 - 2: Sending Options
 - 1: Priority
 - 1: Normal
 - 2: Urgent
 - 2: Call Back #

1: Yes

2: No

3: Canned Message

1: Can't talk right now. Send me a message.

2: Call me

3: Where are you?

4: Can you pick up

5: Meet me at

6: Let's get lunch.

7: The meeting has been canceled.

8: I'll be there at

9: What time does it start?

10: I love you!

11: User edit

12: User edit

13: User edit

14: User edit

15: User edit

16: User edit

17: User edit

18: User edit

19: User edit

20: User edit

4: Message Alerts

1: Volume

2: Type

1: Voicemail

2: Text Messages

3: MSG Reminder

1: Off

2: Once

3: Every 2 min

5: Save in Outbox

1: Yes

2: No

6: Auto Delete

1: Yes

2: No

4: Web

5: Downloads

1: Games

1: Get New

2: Ringers

1: Get New

3: Screen Savers

1: Get New

4: Applications

1: Get New

6: Tools

1: Voice Memo

1: Record

2: Review

3: Erase All

1: Yes

2: No

2: Today

3: Scheduler

4: World Time

5: Alarm Clock

1: Alarm #1

2: Alarm #2

3: Alarm #3

6: Task List

7: Memo Pad

8: Calculator

9: Countdown

0: Set Time (displayed when there is no time information.)

7: Settings

1: Display

1: Menu Style

1: Camera

2: Nature

2: Screen Saver

1: Local Image

1: Eagle

2: World Time

3: Calendar

4: Launch Pad

5: Digital Clock

2: Downloads

3: Incoming Call

1: With Caller ID

1: No Image

2: Downloads

2: No Caller ID

1: No Image

2: Downloads

4: Greeting

- 1: User Name
- 2: Custom
- 5: Backlight
 - 1: Main Display
 - 1: Flip Open
 - 2: 30 seconds
 - 3: 15 seconds
 - 4: 8 seconds
 - 2: Keypad
 - 1: Flip Open
 - 2: 30 seconds
 - 3: 15 seconds
 - 4: 8 seconds
 - 5: Off
 - 3: Pwr Save Mode
 - 1: On
 - 2: Off
- 6: Contrast
 - 1: Lowest
 - 2: Low
 - 3: Med
 - 4: High
 - 5: Highest
- 7: Service Light
 - 1: On
 - 2: Off
- 2: Sounds
 - 1: Ringer Volume
 - 1: Calls
 - 2: Alarms
 - 2: Ringer Type
 - 1: Voice Calls
 - 1: With Caller ID
 - 2: No Caller ID
 - 2: Schedule
 - 3: Roam Ringer
 - 1: Normal
 - 2: Distinctive
 - 3: Alerts
 - 1: Minute Beep
 - 1: On
 - 2: Off
 - 2: Service
 - 1: On

- 2: Off
- 3: Connect
 - 1: On
 - 2: Off
- 4: Sig. Fade Tone
 - 1: On
 - 2: Off
- 5: Power On/Off
 - 1: On
 - 2: Off
- 6: Flip Sound
 - 1: On
 - 2: Off
- 4: Key Tone
 - 1: Tone Type
 - 1: Normal
 - 2: Piano
 - 3: Beep
 - 2: Tone Level
- 5: Tone Length
 - 1: Short
 - 2: Long
- 6: App. Volume
 - 1: Sound
 - 2: Vibrator
 - 1: On
 - 2: Off
- 3: Web
 - 1: Enable/Disable Web
 - 2: Net Guard
 - 1: On
 - 2: Off
 - 3: Update Data Profile
- 4: Voice Dial
 - 1: Adapt Digits
 - 2: Reset Digits
 - 1: Yes
 - 2: No
 - 3: Set Active
 - 1: Talk Only
 - 2: Talk and Flip
 - 4: Choice List
 - 1: Digit Dial
 - 1: Yes

- 2: No
- 2: Name Dial
 - 1: Yes
 - 2: No
- 3: Name Lookup
 - 1: Yes
 - 2: No
- 5: Help
- 5: Security
 - 1: Lock Phone
 - 1: Unlocked
 - 2: On Power-Up
 - 3: Lock Now
 - 2: Change Lock
 - 3: Special #
 - 1: Empty
 - 2: Empty
 - 3: Empty
 - 4: Erase Pbook
 - 1: Yes
 - 2: No
 - 5: Erase Downloads
 - 1: Yes
 - 2: No
 - 6: Reset Phone
 - 1: Yes
 - 2: No
- 6: Airplane Mode
 - 1: On
 - 2: Off
- 7: Launch Pad
 - 1: Up Key
 - 1: Phone Book
 - 2: Voice Memo
 - 3: Scheduler
 - 4: Voice Dial
 - 5: Ringer Type
 - 6: Downloads
 - 7: Display
 - 8: Alarms
 - 9: Calculator
 - 10: Web
 - 2: Down Key
 - 1: Phone Book

- 2: Voice Memo
- 3: Scheduler
- 4: Voice Dial
- 5: Ringer Type
- 6: Downloads
- 7: Display
- 8: Alarms
- 9: Calculator
- 10: Web
- 3: Left Key
 - 1: Phone Book
 - 2: Voice Memo
 - 3: Scheduler
 - 4: Voice Dial
 - 5: Ringer Type
 - 6: Downloads
 - 7: Display
 - 8: Alarms
 - 9: Calculator
 - 10: Web
- 4: Right Key
 - 1: Phone Book
 - 2: Voice Memo
 - 3: Scheduler
 - 4: Voice Dial
 - 5: Ringer Type
 - 6: Downloads
 - 7: Display
 - 8: Alarms
 - 9: Calculator
 - 10: Web
- 8: Others
 - 1: Abbrev. Dial
 - 1: On
 - 2: Off
 - 2: Restriction
 - 1: Outgoing Call
 - 1: Allow all
 - 2: PBook Only
 - 3: Special# Only
 - 3: Call Answer
 - 1: Any Key
 - 2: Talk Key
 - 3: Flip Open

- 4: Auto Answer
 - 1: Yes
 - 2: No
- 5: Language
 - 1: English
 - 2: Español
- 6: Roaming
 - 1: Set Mode
 - 1: Automatic
 - 2: Analog
 - 3: Digital
 - 2: Call Guard
 - 1: On
 - 2: Off
- 7: Location
 - 1: On
 - 2: Off
- 8: Game Pad
 - 1: Get Device
 - 2: Key Remap
 - 1: Cursor Key
 - 1: Up Key
 - 2: Down Key
 - 3: Left Key
 - 4: Right Key
 - 2: Fire Key
 - 1: A Key
 - 1: Up Key
 - 2: Down Key
 - 3: Left Key
 - 4: Right Key
 - 5: WEB Key
 - 6: OK Key
 - 7: Talk Key
 - 8: Back Key
 - 9: End Key
 - 10: Menu Key
 - 11: #1 Key
 - 12: #2 Key
 - 13: #3 Key
 - 14: #4 Key
 - 15: #5 Key
 - 16: #6 Key
 - 17: #7 Key
 - 18: #8 Key

- 19: #9 Key
- 20: #0 Key
- 21: Star Key
- 22: Pound Key
- 23: Launching
- 2: B Key
 - 1: Up Key
 - 2: Down Key
 - 3: Left Key
 - 4: Right Key
 - 5: WEB Key
 - 6: OK Key
 - 7: Talk Key
 - 8: Back Key
 - 9: End Key
 - 10: Menu Key
 - 11: #1 Key
 - 12: #2 Key
 - 13: #3 Key
 - 14: #4 Key
 - 15: #5 Key
 - 16: #6 Key
 - 17: #7 Key
 - 18: #8 Key
 - 19: #9 Key
 - 20: #0 Key
 - 21: Star Key
 - 22: Pound Key
 - 23: Launching
- 3: C Key
 - 1: Up Key
 - 2: Down Key
 - 3: Left Key
 - 4: Right Key
 - 5: WEB Key
 - 6: OK Key
 - 7: Talk Key
 - 8: Back Key
 - 9: End Key
 - 10: Menu Key
 - 11: #1 Key
 - 12: #2 Key
 - 13: #3 Key
 - 14: #4 Key
 - 15: #5 Key
 - 16: #6 Key

- 17: #7 Key
- 18: #8 Key
- 19: #9 Key
- 20: #0 Key
- 21: Star Key
- 22: Pound Key
- 23: Launching
- 4: D Key
 - 1: Up Key
 - 2: Down Key
 - 3: Left Key
 - 4: Right Key
 - 5: WEB Key
 - 6: OK Key
 - 7: Talk Key
 - 8: Back Key
 - 9: End Key
 - 10: Menu Key
 - 11: #1 Key
 - 12: #2 Key
 - 13: #3 Key
 - 14: #4 Key
 - 15: #5 Key
 - 16: #6 Key
 - 17: #7 Key
 - 18: #8 Key
 - 19: #9 Key
 - 20: #0 Key
 - 21: Star Key
 - 22: Pound Key
 - 23: Launching
- 3: Other Key
 - 1: Start Key
 - 1: Launching
 - 2: WEB Key
 - 3: OK Key
 - 4: Talk Key
 - 5: Back Key
 - 6: End Key
 - 7: Menu Key
 - 8: #1 Key
 - 9: #2 Key
 - 10: #3 Key
 - 11: #4 Key
 - 12: #5 Key
 - 13: #6 Key

- 14: #7 Key
- 15: #8 Key
- 16: #9 Key
- 17: #0 Key
- 18: Star Key
- 19: Pound Key
- 2: Menu Key
 - 1: Launching
 - 2: WEB Key
 - 3: OK Key
 - 4: Talk Key
 - 5: Back Key
 - 6: End Key
 - 7: Menu Key
 - 8: #1 Key
 - 9: #2 Key
 - 10: #3 Key
 - 11: #4 Key
 - 12: #5 Key
 - 13: #6 Key
 - 14: #7 Key
 - 15: #8 Key
 - 16: #9 Key
 - 17: #0 Key
 - 18: Star Key
 - 19: Pound Key

9: Phone Info

InUse Menu

- 1: Mute/Unmute
- 2: Call History
- 3: Phone Book
- 4: 3-Way Call
- 5: Messaging
- 6: Voice Memo
- 7: Tools
- 8: Phone Info

Managing Call History

In This Section

- ◆ **Viewing History**
 - ◆ **Call History Options**
 - ◆ **Making a Call From Call History**
 - ◆ **Saving a Phone Number From Call History**
 - ◆ **Prepending a Phone Number From Call History**
 - ◆ **Erasing Call History**
-







The Call History keeps track of incoming calls, calls made from your wireless phone, and missed calls. This section guides you through accessing and making the most of your Call History.

Viewing History

You'll find the Call History feature very helpful. It is a list of the last 20 phone numbers (or Phone Book entries) for calls you placed, accepted, or missed. Call History makes redialing a number fast and easy. It is continually updated as new numbers are added to the beginning of the list and the oldest entries are removed from the bottom of the list.



Each entry contains the phone number (if it is available) and Phone Book entry name (if the phone number is in your Phone Book). Duplicate calls (same number and type of call) may only appear once on the list.

To view a Call History entry:

1. Press   for **Call History**.
2. Press  for **Missed Calls**. (The Missed Calls list will display.)
- or -
Press  for **Outgoing Calls**. (The Outgoing Calls list will display.)
- or -
Press  for **Incoming Calls**. (The Incoming Calls list will display.)
3. To view an entry, highlight it and press .

Note: To access the phone's main menu, press **(Menu)** from standby mode. Menu items may be selected by highlighting them with the navigation key and pressing **OK**, or you can press the number corresponding to the menu item on your keypad.

Call History Options







For additional information and options on a particular call, highlight a Call History entry and press . This feature displays the time, date, and duration of the call. By pressing , you can select from the following options:

- **Talk**
- **Save, Show Entry**
- **Prepend**
- **Erase**

Tip: You can also view the next Call History entry by pressing the navigation key right or view the previous entry by pressing the navigation key left.

Making a Call From Call History

To place a call from Call History:







1. Press   for **Call History**.
2. Select **Missed Calls** , **Outgoing Calls** , or **Incoming Calls** .
3. Highlight the entry you want to call and press  to dial the number

Note: You cannot make calls from Call History to entries identified as **No ID** or **Restricted**.

Saving a Phone Number From Call History

Your phone can store up to 300 Phone Book entries. Phone Book entries can store up to a total of six phone numbers and each entry's name can contain 20 characters.

To save a phone number from Call History:

1. Press   for **Call History**.
2. Highlight the desired entry in the **Missed**, **Outgoing**, or **Incoming** call history and press .
3. Press   to save the number.
—or—
Press  (**Save**) to save the number.
4. Follow the onscreen prompts to complete the entry. (See "Saving a Phone Number" on page 20.)







After you have saved the number, the new Phone Book entry is displayed. (See "Phone Book Entry Options" on page 72.)

Note: You cannot save phone numbers already in your Phone Book or from calls identified as **No ID** or **Restricted**.

Prepending a Phone Number From Call History

If you need to make a call from Call History and you happen to be outside your local area code, you can add the appropriate prefix by prepending the number.









To prepend a phone number from Call History:

1. Press   for **Call History**.
2. Highlight the desired entry in the **Missed**, **Outgoing**, or **Incoming** call history and press .
3. Press   to **Prepend** the number.
4. Use the keypad to enter the desired numbers.
5. Press  to call.

Erasing Call History

To erase individual Call History entries, see “Call History Options” on page 68.

To erase Call History:

1. Press   for **Call History**.
2. Press  for **Erase History**.
 - Press  to erase **Missed Calls**.
 - Press  to erase **Outgoing Calls**.
 - Press  to erase **Incoming Calls**.
 - Press  to erase **All Calls**.
3. Using the navigation key, highlight **Yes** and press .

Using the Phone Book

In This Section






- ◆ Adding a New Phone Book Entry
 - ◆ Finding Phone Book Entries
 - ◆ Phone Book Entry Options
 - ◆ Adding a Phone Number to a Phone Book Entry
 - ◆ Editing a Phone Book Entry's Phone Number
 - ◆ Assigning Speed Dial Numbers
 - ◆ Editing a Phone Book Entry
 - ◆ Selecting a Ringer Type for an Entry
 - ◆ Secret Phone Book Entries
 - ◆ Dialing Services
-

Now that you know the basics that make it easier to stay in touch with people and information, you're ready to explore your phone's more advanced features. This section explains how to use your phone's Phone Book and helps you make the most of your contacts and time when you are trying to connect with the important people in your life.

Adding a New Phone Book Entry

Your Samsung A660 can store up to 300 Phone Book entries. Phone Book entries can store up to a total of six phone numbers and each entry's name can contain 20 characters.

To add a new entry:

1. Enter a new phone number and press .
2. Press  for **Add New Entry**.
3. Select the **Type** using the navigation key and press .
4. Enter the name using the keypad and press .
5. Press  to **Save**.





After you have saved the number, the new Phone Book entry is displayed. (See “Phone Book Entry Options” on page 72.)

Finding Phone Book Entries

There are several ways to display your Phone Book entries: by name, by speed dial number, by group, and by voice dial recognition. Follow the steps outlined in the sections below to display entries from the Phone Book menu.




Finding Names

To find Phone Book entries by name:

1. Press   for **Phone Book**.
2. Press  for **Find**.
3. Press the navigation key left or right to search by **Name**, **Entry**, or **Group**.
4. Once the desired option is highlighted, press the navigation key down.
5. Enter the first few letters or entry # to locate the desired entry.
6. Scroll to highlight the name. To call the entry, press .




Finding Speed Dial Numbers

To find phone numbers you have stored in speed dial locations:

1. Press   for **Phone Book**.
2. Press  for **Find**.
3. Press the navigation key to the right until **By Entry** is highlighted.
4. Enter the entry or speed dial location number.










Finding Group Entries

To find entries designated as part of a group:

1. Press   for **Phone Book**.
2. Press  for **Find**.
3. Press the navigation key to the right until **By Group** is highlighted.
4. Press the navigation key down once to highlight the group selection. Press the navigation key left or right to select the desired group.










Adding a Phone Number to a Phone Book Entry

To add a phone number to an entry:

1. Press   for **Phone Book**.
2. Press  for **Find**.
3. Select the desired entry and press .
4. Press   to edit the entry.
5. Press the navigation key down until the desired label is selected and press  to edit.
6. Enter the phone number using the keypad and press .
7. Press  to **Save**.

Editing a Phone Book Entry's Phone Number

To edit an entry's phone number:



1. Press   for **Phone Book**.
2. Press  for **Find**.
3. Select the desired entry and press .
4. Press the navigation key down until the desired phone number is selected and press   to edit.
5. Press and hold  to erase the entire number or press once to erase just the last number.
6. Enter the new number using the keypad and press .
7. Press  to **Save**.

Assigning Speed Dial Numbers

Your phone can store up to 300 phone numbers in speed dial locations. For details on how to make calls using speed dial numbers, see “Using One-Touch/Two-Touch/Three Touch Speed Dialing” on page 23.

Speed dial numbers can be assigned when you add a new Phone Book entry, when you add a new phone number to an existing entry, or when you edit an existing number.










To assign a Speed Dial number to a new phone number:

1. Add a phone number to a new or to an existing Phone Book entry (see “Adding a New Phone Book Entry” on page 72 or “Adding a Phone Number to a Phone Book Entry” on page 73).
2. Highlight **Entry** and press .
3. Press the navigation key left/right or enter an available speed dial location using the keypad and press .

Selecting a Ringer Type for an Entry

You can assign a ringer type to a Phone Book entry so you can identify the caller by the ringer type. (See “Ringer Types” on page 27.)








To select a ringer type for an entry:


1. Press   for **Phone Book**.
2. Press  for **Find**.
3. Select the desired entry and press .
4. Press   to edit the entry.
5. Press the navigation key down until **Name Ringer** is selected and press  to edit.
6. Press the navigation key to the right and highlight the desired Ringer Category.
7. Press the navigation key down.
8. Press the navigation key to the left or right to highlight and listen to the desired Ringer and press .
9. Press  to **Save**.

Secret Phone Book Entries




You can hide an entry's phone number(s) and require your lock code to edit the entry by making it secret. The entry name is still displayed, but the entry's phone numbers are replaced with “(SECRET)”.

To make an entry secret:

1. Press   for **Phone Book**.
2. Press  for **Find**.
3. Select the desired entry and press .
4. Press   to edit the entry.
5. Press the navigation key down until **Secret** is selected.
6. Press the navigation key left or right to select On or Off and press  for **Save**.

7. Press the navigation key left or right until **Secret-ON** is displayed in the Secret field and press  to **Save**.

To make an entry public:







1. Display a Phone Book entry.
2. Press   to edit the entry.
3. Enter your lock code.
4. Press the navigation key down until **Secret** is selected.
5. Press the navigation key left or right until **Secret-OFF** is displayed in the Secret field and press  to **Save**.

Tip: If you can't recall your lock code, try using the last four digits of either your Social Security number or your wireless phone number or try 0000. If none of these work, call your service provider.

Dialing Services

Your Phone Book is preprogrammed with contact numbers for various services. You must be in digital mode to access these services.

To dial a service:

1. Press   for **Phone Book**.
2. Press  for **Services**.
 - Press  for **Customer Care**.
 - Press  for **Dir Assist**.
3. Press .

Personal Organizer

In This Section

- ◆ Using Your Phone's Scheduler
 - ◆ Using Your Phone's Alarm Clock
 - ◆ Using Your Phone's Notepad
 - ◆ Using Your Phone's Tools
-










Your wireless phone is equipped with several personal information management features that help you manage your busy lifestyle. This section shows you how to use these features to turn your phone into a time management planner that helps you keep up with your contacts, schedules, and commitments. It takes productivity to a whole new level.

Using Your Phone's Scheduler

Adding an Event to the Scheduler

Your Scheduler helps organize your time and reminds you of important events.

To add an event:

1. Press   for **Tools**.
2. Press for  **Scheduler**.
3. Press   for **Add New**.
4. Enter the event description using the keypad and press .
5. Enter the Start Time and Date using the keypad. (Press  for AM or  for PM.)
6. Enter the End Time and Date using the keypad.
7. Press the Navigation key left or right and select one of the following:
 - **No Alarm**
 - **On Time**
 - **10min before**
 - **30min before**
 - **1Hr before**
8. Press to  **Save**.







Note: To access the phone's main menu, press **(Menu)** from standby mode. Menu items may be selected by highlighting them with the navigation key and pressing **OK**, or you can press the number corresponding to the menu item on your keypad.

Event Alerts

There are several ways your phone alerts you of scheduled events:




- By playing the assigned ringer type.
- By illuminating the backlight.
- By flashing the LED.

To select the ringer:

1. Press   for **Settings**.
2. Press  for **Sounds**.
3. Press  for **Ringer Type**.
4. Press  for **Schedule**.
5. Press the navigation key left or right to select the desired ringer category.
6. Press the navigation key down and then left or right to select the desired ringer or melody.
7. Press  to **Save**.







Viewing Events

To view your scheduled events:

1. Press   for **Tools**.
2. Press  for **Today**. (A list of the events scheduled for the day are displayed.)









Erasing a Day's Events

To erase a scheduled day's events:

1. Press   for **Tools**.
2. Press  for **Today**.
3. Press   to **Erase All**.
4. Highlight **Yes** using the navigation key and press  to confirm.







Erasing Events

To delete individual events:

1. Press   for **Tools**.
2. Press  for **Scheduler**.
3. Highlight the desired day of the event being deleted.
4. Press   for **View**.
5. Press the navigation key up or down to select the desired event.
6. Press   to **Erase** the event.
7. Highlight **Yes** with the navigation key and press  to confirm.

Erasing All Events










To delete all scheduled events:

1. Press   for **Tools**.
2. Press  for **Scheduler**.
3. Press   for **Erase All**.
4. Highlight **Yes** with the navigation key and press  to confirm.

Using Your Phone's Alarm Clock

Your phone comes with a built-in alarm clock with multiple alarm capabilities.







To use the alarm clock:

1. Press   for **Tools**.
2. Press  for **Alarm Clock**.
3. Press , , or  to select an Alarm.
4. Press the navigation key left or right and select **On**.
5. Press the navigation key down once and enter the alarm time. (Press  for AM or  for PM.)
6. Press the navigation key down once to select the desired ringer. Cycle through the ringers by pressing the navigation key left or right.
7. Press the navigation key down once to select the alarm frequency. Press the navigation key left or right and select one of the following options:
 - **Daily**
 - **Once**
 - **Mon to Fri**
 - **Sat & Sun**
8. Press  to **Save**.





Using Your Phone's Memo Pad

Your phone comes with a memo pad you can use to compose and store reminders and notes to help keep you organized.







To compose a note:

1. Press   for **Tools**.
2. Press  for **Memo Pad**.
3. If there are no existing memos, the New Memo screen is automatically displayed. If there is a memo already saved, press   for **Add New**.
4. Enter up to 64 characters in the memo and press  to **Save**. (See "Entering Text" on page 24.)

To read a saved note:

1. Press   for **Tools**.
2. Press  for **Memo Pad**.
3. Highlight the desired memo using the navigation key and press  to view.

To delete saved notes:





1. Press   for **Tools**.
2. Press  for **Memo Pad**.
3. Highlight the desired memo using the navigation key and press   for **Erase**.
4. Select **Yes** and press  to confirm the deletion.

Using Your Phone's Tools

In addition to helping you be more efficient and organized, your phone offers useful and entertaining tools.

Playing Games







To play a game on your phone:

1. Press   for **Downloads**.
2. Press  for **Games**.
3. Press the navigation key up or down to highlight the desired game and press  to play.

Using the Calculator

Your phone comes with a built-in calculator function.






To use the calculator:

1. Press   for **Tools**.
2. Press  for **Calculator**.
3. Enter a number with the keypad. (Press  to insert a decimal point and/or  to make the number negative or positive.)
4. Press the navigation key:
 - **Left - Subtract**
 - **Right - Multiply**
 - **Up - Add**
 - **Down - Divide**
5. Enter the next number using the keypad.
6. Press  to view the results.

World Time

World Time displays what time it is in twenty-four different time zones around the world together with one or more major cities, states, regions, or countries in a time zone.








To access world time:

1. Press   for **Tools**.
2. Press  for **World Time**.
3. Press the navigation key left, right, up, or down to display the different time zones.
4. Press   to turn **DST Setting** (Daylight Savings Time) on or off.





Countdown

Countdown allows you to enter a future date and time into the phone and then see the amount of days, hours, and minutes until that time is reached.

To set up a new countdown:

1. Press   for **Tools**.
2. Press  for **Countdown**.
3. If there are no existing countdowns, the New Countdown screen is automatically displayed. If there is already a countdown entered, press   for **Add New**.
4. Enter a name using the keypad and press .
5. Enter the **Input** time and date values and press  to **Save**.

To view a countdown:

1. Press   for **Tools**.
2. Press  for **Countdown**.
3. Press the navigation key up or down to highlight the desired countdown and press .

Tip:

When viewing an existing countdown, press the navigation key left or right to cycle between the other countdown entries.

Using Your Phone's Voice Services

In This Section

- ◆ **Activating Voice Recognition**
 - ◆ **Using Digit Dial**
 - ◆ **Using Name Dial**
 - ◆ **Using Name Lookup**
 - ◆ **Recording Voice Memos**
-


Your Samsung A660's Voice Services let you place calls using your voice, store voice reminders, and record memos right on your phone.

This section includes easy-to-follow instructions on using voice-activated dialing and managing voice memos.

Activating Voice Recognition




Voice recognition allows you to say commands to perform common functions supported by your phone. There is no voice training required to use the voice recognition feature. You simply say the pre-designated command displayed on your screen in a normal tone of voice to perform the desired function.

To activate voice recognition:

1. Press the navigation key left or press and hold .
2. The phone prompts you to say a voice command. Wait for the beep and then say one of the following commands:
 - **Digit Dial**
 - **Name Dial**
 - **Voice Memo**
 - **Phone Book**
 - **My Phone #**
 - **Status**

When it recognizes one of these commands, the phone launches the associated application. If the phone does not hear a command within approximately eight seconds, it de-activates voice recognition without taking any action.

Note:

If you want to use a different button to activate voice recognition, press    for Launch Pad. On this menu, you can change button assignments, including the button used to launch "Voice Dial," which is the voice recognition application.

Status Information Chart

When you activate the Status function, the following information is given:

- Coverage
- Signal Strength
- Battery Status

The chart listed below gives the values available for each choice.

Coverage

No Coverage - When handset is scanning.
Network Coverage - Handset is on a non-roam system.
Digital Roam - Handset is on a digital roam system.
Analog Roam - Handset is on an analog roam system.

Signal Strength

High - Number of bars displayed is 4.
Good - Number of bars displayed is 2/3.
Low - Number of bars displayed is 0/1.
No Signal - Handset is scanning for system.

Battery Status

High - Number of bars displayed in the battery icon is 3.
Medium - Number of bars displayed in the battery icon is 2.
Low - Number of bars displayed in the battery icon is 1.
Empty - Low battery alert.

Using Digit Dial

Digit Dial allows you to dial any valid 7 or 10 digit North American phone number by speaking the number naturally, without pausing between the digits.



Tips for using Digit Dial:

- Digit Dial works best in quieter environments.
- When saying a number, speak at a normal speed and say each digit clearly. There is no need to pause between digits.
- The phone recognizes the digits one, two, three, four, five, six, seven, eight, nine, zero, and oh. The phone does not recognize numbers such as "one eight hundred" for "1-800." Instead, say "one-eight-zero-zero."
- The phone recognizes only valid 7 or 10 digit North American phone numbers.
- If your phone does not usually recognize you correctly when you are using Digit Dial, try adapting Digit Dial to your voice, which can significantly improve accuracy for some speakers. (See "Adapting Digit Dial" on page 89 for details.)

To place a call using Digit Dial:

1. Activate voice recognition by pressing the navigation key left. The phone prompts you for a command.
2. Say **Digit Dial**. The phone prompts you to say the number.
3. Say a valid 7 or 10 digit North American phone number naturally and clearly.

Note: If desired, you can say the number "1" before the number. This is not required; the call is made both ways.






4. If the phone asks you, "Did You Say," followed by the correct number, say **Yes**. You can also select the correct number from those displayed on the screen by pressing  on the correct number. The phone will then dial the number.
5. If the phone asks you, "Did You Say," followed by an incorrect number, say **No**. If there are other alternatives, the phone will prompt you with the next one. You can also press the navigation key up or down to select the correct number from the Choice List, and then press  to dial.


Note: In some cases, the phone might ask you to repeat a number. Make sure that the number is a valid 7 or 10 digit North American phone number, and then say the number again. If the number isn't valid, or if the phone still doesn't understand the number on the second try, it will not place a call.

Enabling/Disabling Digit Dial Choice Lists

You can customize whether the Digit Dial feature displays the list of top voice recognition choices or automatically dials the first number, without displaying a choice list.

To enable or disable choice lists for Digit Dial:

1. Press   for **Settings**.
2. Press  for **Voice Dial**.
3. Press  for **Choice List**.
4. Press  for **Digit Dial**.

5. Press the navigation key up or down to select **Yes** or **No** and press .

Adapting Digit Dial

Digit Dialing is speaker independent, which means that no training or adaptation is required. Some users with heavy accents or unusual voice characteristics may find difficulty in achieving high accuracy with speaker independent Digit Dialing, so the Adapt Digits feature allows users to dramatically improve the digit accuracy through adaptation. Users who get acceptable digit recognition accuracy will find no additional benefit to performing the Adapt Digit adaptation.

After you adapt Digit Dial, your phone will be customized to your voice. Other people will not be able to use Digit Dial on your phone unless they reset the phone to factory defaults.






Note: ONLY adapt Digit Dial if the system is frequently mis-recognizing your speech. You can always restore the system to its original factory setting.


Adaptation involves recording several digit sequences to teach the system your voice. The adaptation process takes about 3 minutes.

Tips for adapting Digit Dial:

- Adapt digits in a quiet place.
- Make sure you wait for the beep before starting to speak.
- Speak clearly, but say each digit sequence naturally.
- If you make a mistake while recording a sequence of digits, or if there is an unexpected noise that spoils the recording, you can say or select **No** when the prompt asks, “Did the recording sound OK?”. You will then be prompted to re-record the sequence.

To adapt Digit Dial to your voice:






1. Press   for **Settings**.
2. Press  for **Voice Dial**.
3. Press  for **Adapt Digits**.
4. The phone displays the first digit sequence. When you are ready to start recording, press . The phone prompts you to say the first sequence of digits.

5. Wait for the beep, and then repeat the digits using a normal tone of voice. The phone plays back your recording and asks you if the recording sounds "OK."
6. If the recording sounds OK (no mistakes, and no background noises), say **Yes**. If you need to re-record the digits to fix any problems, say **No**. The phone then prompts you to say the digits again. Wait for the beep, and then record the digits again. Repeat this step until you are satisfied with the recording.
7. After confirming that the recording sounds OK, repeat the recording process with the next set of digits. After six sets of digits, the phone will ask you whether you want to do more adaptation. Answer **Yes**.
8. Repeat steps 4-8 for another six sets of digits. After the sixth set of digits, you will be half way through the session and the phone asks "More Adaptation?" Select **OK** to continue for six more sets of digits, or press  for partial adaptation. When you are finished with a full session, you will reach a screen that reads, "Adaptation Complete."

Note: It is recommended that you perform the complete adaptation of Digit Dial at least once to achieve the maximum benefit of this feature. If a partial adaptation is performed, you can always return later and resume the process from the half way point.

Resetting Digit Dial Adaptation

To erase any adaptation and reset Digit Dial to its original state:

1. Press   for **Settings**.
2. Press  for **Voice Dial**.
3. Press  for **Reset Digits**.
4. Press the navigation key up or down button to select **Yes** and press .

Using Name Dial

For best results with Name Dial, enter first and last names in your phone book, avoid using abbreviations, and make sure the names are spelled correctly. Name Dial automatically voice-activates every contact in your Phone Book without the need to record or "train" names before using them. With Name Dial you can dial any person in your Phone Book by saying that person's name.




To place a call using Name Dial:




1. Activate voice recognition by pressing the navigation key left. The phone prompts you for a command.
2. Say **Name Dial**. The phone prompts you to say a name.
3. Say the full name of the person you want to call, exactly as it is entered in your Phone Book. The phone plays the name through the earpiece and displays it on the screen. If the Phone Book contains only one number for the name, the phone automatically dials that number.
4. If the name that you spoke has more than one number associated with it, the phone displays the different locations (home, work, etc.) and asks you which one to dial. Say one of the following locations:
 - **Home**
 - **Work**
 - **Mobile**
 - **Pager**
 - **Fax**
5. The phone dials the number for the location you specified.

Enabling/Disabling Name Dial Choice Lists

You can customize whether the Name Dial feature displays a list of choices for names that sound alike, or brings up information for the first recognized name, without displaying a choice list.

To enable or disable choice lists for Name Dial:


1. Press   for **Settings**.
2. Press  for **Voice Dial**.

3. Press  for **Choice List**.
4. Press  for **Name Dial**.
5. Press the navigation key up or down to select **Yes** or **No** and press .

When choice lists are enabled for Name Dial, after you say the name, the phone will display one or more names on the screen and prompt you to confirm the name you spoke.

If the phone says, "Did You Say," followed by the correct name, say **Yes**.

If the phone asks you, "Did You Say," followed by an incorrect name, say **No**. The phone then prompts you with the next name, if there is one. If there are no more names, the phone will say "Sorry, No Match Found," and will not place a call.

You can also choose a name from the choice list manually. Use the navigation key to highlight the name, and then press  to select it.

Using Name Lookup

Name Lookup lets you retrieve contact information for any person in your Phone Book by saying the full name of the person.







To retrieve information using Name Lookup:

1. Activate voice recognition by pressing the navigation key left. The phone prompts you for a command.
2. Say **Phone Book**. The phone prompts you to say the name.
3. Say the full name of the person, exactly as it is entered in your Phone Book. The phone plays the name it recognized through the earpiece, and then opens the contact information for that name.

Enabling/Disabling Name Lookup Choice Lists

You can customize whether the Name Lookup feature displays a list of choices for names that sound alike, or brings up information for the first recognized name, without displaying a choice list.


To enable or disable choice lists for Name Lookup:

1. Press   for **Settings**.
2. Press  for **Voice Dial**.
3. Press  for **Choice List**.
4. Press  for **Name Lookup**.
5. Press the navigation key up or down to select **Yes** or **No** and press .

When choice lists are enabled for Name Lookup, after you say the name, the phone will display one or more names on the screen and prompt you to confirm the name you spoke.

If the phone says, "Did You Say," followed by the correct name, say **Yes**.

If the phone asks you, "Did You Say," followed by an incorrect name, say **No**. The phone then prompts you with the next name, if there is one. If there are no more names, the phone will say "Sorry, No Match Found."








You can also choose a name from the choice list manually. Press the navigation key up or down to highlight the name, and then press  to select it.

Managing Voice Memos







You can use your phone's Voice Services to record brief memos to remind you of important events, phone numbers, or grocery list items.

Recording Voice Memos





To record a voice memo:

1. Press   for **Tools**.
2. Press  for **Voice Memo**.
3. Press  for **Record**. The phone prompts you to start recording after the beep.
4. Wait for the beep and then start speaking. As it is recording, the phone displays a countdown timer that shows how many seconds are left for recording.
5. To pause the memo, press . When a memo is paused, press  again to resume recording.
6. To finish recording, press .

When you have finished recording, the phone offers you the option of reviewing the memo, re-recording the memo, saving it, or quitting without saving the memo.

- To listen to the memo again, select **Review** and press .
- To discard the current recording and make a new one, select **Rerecord** and press .
- To save the memo and return to the home screen, select **Save** and press . The phone prompts you to enter a name for the memo. Enter a name. Use the Menu to enter letters, numbers, or symbols. When you are done, press , then highlight **Yes** and press .
- To quit the memo feature without saving the memo, select **Quit** and press .








To record a conversation during a phone call:

1. During a call, press   for **Voice Memo**. (A one minute counter is displayed on the screen to indicating the amount of time a single voice memo can be recorded.)
2. Press   during the countdown to pause and restart the memo.




Note: A total of 10 minutes in 10 separate memos can be recorded and saved. Individual memos can record up to 60 seconds of audio.

Reviewing and Erasing Memos






To play the voice memos you have recorded:

1. Press   for **Tools**.
2. Press  for **Voice Memo**.
3. Press  for **Review**. The phone displays a list of saved memos, with the first one selected.
4. Select a memo and press , or press the number corresponding to the memo you want to review. The phone replays the memo. To pause the memo during replay, press . Press  again to resume replaying the memo.

To erase an individual memo:

1. Follow the steps above to display the list of saved memos.
2. Select the memo to erase.
3. Press   for **Erase**.
4. Press the navigation key up to select **Yes** and press .

To erase all voice memos:

1. Press   for **Tools**.
2. Press  for **Voice Memo**.
3. Press  for **Erase All**.
4. Press the navigation key up to select **Yes** and press .

Service Features

Service Features: The Basics

In This Section

- ◆ Using Voicemail
 - ◆ Using Caller ID
 - ◆ Responding to Call Waiting
 - ◆ Making a Three-Way Call
 - ◆ Using Call Forwarding
-



Now that you've mastered your phone's fundamentals, it's time to explore the calling features that enhance your wireless service. This section outlines your basic service features.

Using Voicemail

Setting Up Your Voicemail

All unanswered calls to your phone are automatically transferred to your voicemail, even if your phone is in use or turned off. Therefore, you will want to set up your voicemail and personal greeting as soon as your phone is activated.


To set up your voicemail:

1. Press and hold .
2. Follow the system prompts to:
 - Create your pass code
 - Record your greeting
 - Record your name announcement
 - Choose whether to activate One-Touch Message Access (a feature that lets you access messages simply by pressing and holding , bypassing the need for you to enter your pass code)

Note: The voicemail setup process may vary in certain Affiliate areas.

Voicemail Notification


There are several ways your phone alerts you of a new message:

- By displaying a message on the screen.
- By sounding the assigned ringer type.
- By the LED blinking red.
- By displaying  at the top of your screen.

New Voicemail Message Alerts

When you receive a new voice message, your phone alerts you and prompts you to call your voicemail.

To call your voicemail:

- ▶ Press and hold .

To display your Missed Log:

- ▶ Press   .

Important: When you are roaming off the available network, you may not receive notification of new voicemail messages. It is recommended that you periodically check your voicemail by dialing 1 + area code + your wireless phone number. When your voicemail answers, press (*) and enter your pass code. You will be charged roaming rates when accessing voicemail while roaming off the available network.

Note: Your phone accepts messages even when it is turned off. However, you are only notified of new messages when your phone is turned on and you are in a network service area.




Retrieving Your Voicemail Messages

You can review your messages directly from your wireless phone or from any other touch-tone phone. To dial from your A660, you can either speed dial your voicemail or use the menu keys.

Using One-Touch Message Access


- ▶ Press and hold . (Follow the system prompts.)


Using the Menu Keys on Your Phone to Access Your Messages

1. Press   for **Messaging**.
2. Press  for **Voicemail**.

Note: You are charged for airtime minutes when you are accessing your voicemail from your wireless phone.













Using a Phone Other Than Your Wireless Phone to Access Messages

1. Dial your wireless phone number.
2. When your voicemail answers, press .
3. Enter your pass code.

Tip: When you call into voicemail you first hear the header information (date, time, and sender information) for the message. To skip directly to the message, press  during the header.

Vicemail Button Guide

Here's a quick guide to your keypad functions while listening to voicemail messages. For further details and menu options, see "Voicemail Menu Key" on page 104.

		
Date/Time	Send Reply	Advance
		
Replay	Rewind	Forward
		
Erase	Call Back	Save
		
Cancel	Help	Skip






Vicemail Options

Your phone offers several options for organizing and accessing your voicemail.

Using Expert Mode






Using the Expert Mode setting for your personal voicemail box helps you navigate through the voicemail system more quickly by shortening the voice prompts you hear at each level.

To turn Expert Mode on or off:

1. Press and hold  to access your voicemail. If your voicemail box contains any new or saved messages, press  to access the main voicemail menu.
2. Press  to change your Personal Options, following the system prompts.
3. Press  for Expert Mode.
4. Press  to turn Expert Mode on or off.


Setting Up Group Distribution Lists

Create up to 20 separate group lists, each with up to 20 customers.

1. Press and hold  to access your voicemail. (If your voicemail box contains any new or saved messages, press  to access the main voicemail menu.)
2. Press  to change your Personal Options, following the system prompts.
3. Press  for Administrative Options.
4. Press  for Group Distribution Lists.
5. Follow the voice prompts to create, edit, rename, or delete group lists.


Callback

Return a call after listening to a message without disconnecting from voicemail.

- ▶ Press  after listening to a message. (Once the call is complete, you're returned to the voicemail main menu.)


Voicemail-to-Voicemail Message

Record and send a voice message to other voicemail users.

1. From the main voicemail menu, press  to send a message.
2. Follow the voice prompts to enter the phone number.
3. Follow the voice prompts to record and send your voice message.


Voicemail-to-Voicemail Message Reply

Reply to a voice message received from any other voicemail user.

1. After listening to a voice message, press .
2. Follow the voice prompts to record and send your reply.




Voicemail-to-Voicemail Message Forwarding

Forward a voice message, except those marked “Private,” to other voicemail users.

1. After listening to a message, press .
2. Follow the voice prompts to enter the phone number.
3. Follow the voice prompts to record your introduction and forward the voice message.



Voicemail-to-Voicemail Receipt Request

Receive confirmation that your voice message has been listened to when you send, forward, or reply to other users.

1. After you have recorded a message, press  to indicate you are satisfied with the message you recorded.
2. Press  to mark receipt requested.
3. Press  to send your voicemail message.




Continue Recording

When leaving a voice message, you can choose to continue recording even after you've stopped.

- ▶ Before pressing  to indicate that you are satisfied with the message you recorded, press  to continue recording.

Extended Absence Greeting







When your phone is turned off or you are off the available network for an extended period, this greeting can be played instead of your normal personal greeting.

1. From the main voicemail menu, press  for Personal Options.
2. Press  for Greetings.
3. Press  to record an Extended Absence Greeting.

Clearing the Message Icon

Your phone may temporarily continue to display the message icon after you have checked your voice and text messages.

To clear the icon from the display screen:

1. Press   for **Messaging**.
2. Press  for **Voicemail**.
3. Press   for **Clear Icon**.
4. Press the navigation key up to select **Yes** and press .

Vicemail Menu Key





Following the prompts on the voicemail system, you can use your keypad to navigate through the voicemail menu. The following list outlines your phone's voicemail menu structure.

- 1 Listen
 - 1 Envelope Information
 - 2 ABC Reply
 - 3 DEF Advance 8 Seconds
 - 4 GHI Replay
 - 5 JKL Rewind
 - 6 MNO Forward Message
 - 7 PQRS Erase
 - 8 TUV Callback
 - 9 WXYZ Save
 - 0 Next Options
- 2 ABC Send a Message
- 3 DEF Personal Options
 - 1 Notification Options
 - 1 Phone Notification
 - 2 ABC Numeric Paging to a Wireless Phone
 - * Star Return to Personal Options Menu
 - 2 ABC Administrative Options
 - 1 Skip pass code
 - 2 ABC Autoplay
 - 3 DEF Message Date & Time On/Off
 - 4 GHI Change pass code
 - 5 JKL Group Distribution List
 - * Star Return to Personal Options Menu
 - 3 DEF Greetings
 - 1 Personal Greetings
 - 2 ABC Name Announcement
 - 3 DEF Extended Absence Greeting
 - * Star Return to Personal Options Menu
 - 4 GHI Expert Mode (On/Off)
- 8 TUV Place a Call
- * Star Disconnect

Using Caller ID

Caller ID allows people to identify a caller before answering the phone by displaying the number of the incoming call. If you do not want your number displayed when you make a call, just follow these easy steps.

To block your phone number from being displayed for a specific outgoing call:


1. Press    .
2. Enter the number you want to call.
3. Press .

To permanently block your number, call your service provider.

Responding to Call Waiting

When you're on a call, Call Waiting alerts you of incoming calls by sounding two beeps. Your phone's screen informs you that another call is coming in and displays the caller's phone number (if it is available and you are in digital mode).

To respond to an incoming call while you're on a call:

- ▶ Press . (This puts the first caller on hold and answers the second call.)

To switch back to the first caller:

- ▶ Press  again.






Tip:

For those calls where you don't want to be interrupted, you can temporarily disable Call Waiting by pressing ***70** before placing your call. Call Waiting is automatically reactivated once you end the call.

Making a Three-Way Call

With Three-Way Calling, you can talk to two people at the same time. When using this feature, the normal airtime rates will be charged for each of the two calls.

To make a Three-Way Call:

1. Enter a number you wish to call and press .
2. Once you have established the connection, press   for **3-Way Call**.
3. Dial the second number and press .
4. When you're connected to the second party, press  again to begin your three-way call.

If one of the people you called hangs up during your call, you and the remaining caller stay connected. If you initiated the call and are the first to hang up, all three callers are disconnected.





Tip: You can also begin a Three-Way Call by displaying a phone number stored in your Phone Book, Call History, or Messaging. To call the third party, press **TALK**.

Note: Call Waiting and Three-Way Calling are not available while roaming off the available network.






Using Call Forwarding

Call Forwarding lets you forward all your incoming calls to another phone number – even when your phone is turned off. You can continue to make calls from your phone when Call Forwarding is activated.

To activate Call Forwarding:

1. Press    .
2. Enter the area code and phone number to which your future calls should be forwarded.
3. Press  . (You will see a message and hear a tone to confirm the activation of Call Forwarding.)

To deactivate Call Forwarding:

1. Press     .
2. Press  . (You will see a message and hear a tone to confirm the deactivation.)

Note: You are charged a higher rate for calls you have forwarded.

Data Services

In This Section

- ◆ Getting Started
 - ◆ Understanding Messaging
 - ◆ Using SMS Text Messaging
 - ◆ Downloading Premium Content
 - ◆ Accessing Games
 - ◆ Accessing Ringers
 - ◆ Accessing Screen Savers
 - ◆ Exploring the Web
 - ◆ Data Services FAQs
-

Data services brings you clarity you can see and hear with advanced multimedia services. These features, including messaging, downloading Games, Ringers, and Screen Savers, and accessing the Web, are easy to learn and use. The rich, colorful graphic experience is visually comparable to your home or office computer. Clearly, it's a whole new way to look at wireless.

This section introduces these advanced services and walks you through the necessary steps to start taking advantage of data services.

Getting Started

With your Samsung A660 and your wireless service, you are ready to start enjoying the advantages of data services. This section will help you learn the basics of using your data services, including managing your user name, launching a data connection, and navigating the Web with your phone.

Your User Name

When you buy a phone and sign up for service, you're automatically assigned a user name, which is typically based on your phone number.


When you use data services, your user name is submitted to identify you to the available network. The user name is also useful as a way to personalize Web services and as an online virtual identity.

Your user name will be automatically programmed into your phone. You don't have to enter it.

Finding Your User Name

If you aren't sure what your data services user name is, you can easily find it on your phone.

To find your user name:




- ▶ You can find your user name under the **Phone Info** option in your phone's Settings menu. (From standby mode, press 



Note: To access the phone's main menu, press **(Menu)** from standby mode. Menu items may be selected by highlighting them with the navigation key and pressing **OK**, or you can press the number corresponding to the menu item on your keypad.

Launching a Data Connection

To launch a data connection:

1. Press  for **Main Menu**.
2. Press  for **Web**.
3. If necessary, press the navigation key up, select **Connect**, and press . (Your data connection will launch and the home page will display.)




Shortcut: You can also press and hold the middle of the navigation key to launch the Web.

While connecting, the following will appear on the screen: **Internet - Connecting...**

If you had a previous data connection, the last page you visited (for example, a messaging page or a news page) will display when you launch your browser. When this occurs, you may not see the “Connecting...” message when you launch the session. Though the browser is open, you are not currently in an active data session – that is, no data is being sent or received. As soon as you navigate to another page, the active session will launch and you will see the “Connecting...” message.

Connection Status and Indicators

Your phone's display lets you know the current status of your data connection through indicators which appear at the top of the screen. The following symbols are used:



-  Your data connection is active (data is being transferred); the transmit/receive symbol will blink to indicate data transmission. Incoming voice calls go directly to voicemail; outgoing voice calls can be made, but the data connection will terminate.
-  Your data connection is dormant (no data is being sent or received). Though not currently active, when dormant the phone can restart an active connection quickly; voice calls can be made and received.
-  Your phone is not currently able to access data service features.

If no indicator appears, your phone does not have a current data connection. To launch a connection, see “Launching a Data Connection” on page 110.

Navigating the Web


Navigating through menus and Websites during a data session is easy once you've learned a few basics. Here are some tips for getting around:

Softkeys

During a data session, the bottom line of your phone's display contains one or more softkeys. These keys are shortcut controls for navigating around the Web, and they correspond to the  and  buttons directly below the phone's display screen.

Tip: Depending on which Websites you visit, the labels on the softkeys may change to indicate their function.

To use softkeys:

- ▶ Press the desired softkey button. (If an additional pop-up menu appears when you press the softkey button, select the menu items using your keypad [if they're numbered] or by highlighting the option and pressing .)

Scrolling

As with other parts of your phone's menu, you'll have to scroll up and down to see everything on some Websites.

To scroll line by line through Websites:

- ▶ Press the navigation key up and down.


To scroll page by page through Websites:

- ▶ Press the volume buttons on the side of the phone.

Selecting

Once you've learned how to use softkeys and scroll, you can start navigating the Web.

To select on-screen items:

- ▶ Use the navigation key to highlight the desired item, then press the desired softkey button (or press ).

Tip: You'll find that the left softkey is used primarily for selecting items. This softkey is often labeled "OK."

If the items on a page are numbered, you can use your keypad (number keys) to select an item. (The tenth item in a numbered list may be selected by pressing the **0** key on your phone's keypad, even though the number 0 doesn't appear on the screen.)


Links, which appear as underlined text, allow you to jump to different Web pages, select special functions, or even place phone calls.


To select links:

- Highlight the link and select the appropriate softkey.

Going Back

To go back one page:

- ▶ Press the  key on your phone.

Note: The  key is also used for deleting text (like a BACKSPACE key) when you are entering text.

Going Home

To return to the home page from any other Web page:

- ▶ Press  .

Understanding Messaging

Now you can send and receive text messages right from your wireless phone. Messaging allows you to stay connected to friends, family, and co-workers 24 hours a day anywhere on the available network.









Message Types

There are many types of text messaging available on your phone. These appear on your screen as Page/Text and include numeric messages (pages), Messages, and Mail.

(Voicemail provides voicemail-to-mailbox messaging. For information on using your phone's voicemail feature, see "Using Voicemail" on page 98.)

Erasing Messages

To erase messages:

1. Press   for **Messaging**.
2. Press  for **Inbox**.
3. Press   for **Erase**.
— or —
Press   for **Erase All**.
4. Press the navigation key up to select **Yes** and press .







Using SMS Text Messaging


With SMS Text Messaging, you can use a person's wireless phone number to send instant text messages from your wireless phone to their messaging-ready phone - and they can send messages to you. When you receive a new message, you'll automatically be notified with a one-way text message.




In addition, SMS Text Messaging includes a variety of pre set messages, such as "I'm running late, I'm on my way," that make composing messages fast and easy.

Composing SMS Text Messages

To compose an SMS Text message:

1. Press   for **Messaging**.
2. Press  for **Send Message**.
3. Press  for **Text**.
4. Press  for **Compose**.
5. Press the navigation key to the right to highlight the space next to the **To** field and enter the recipient(s) email address or phone number. When finished, press .

Note: To enter a recipient's phone number, press  and select the **Number** character input mode.

6. Highlight the **Message** field and press . Compose your message using the keypad and press  when finished.
7. Press the navigation key down, highlight **Send**, and press .



Note: You can also check the Urgent option to send the message with an urgent status.

Accessing SMS Text Messages

To read an SMS Text message:

- ▶ When you receive a text message, it will automatically appear on your phone's main display. Use your navigation key to scroll down and view the entire message.

To reply to an SMS Text message:

1. While the message is open, scroll down to the end of the message, highlight the **Reply** or **Reply All** option, and press .
2. Compose your reply
 - To type a reply, highlight the **Message** box and use your keypad to type a message. Use the right softkey to select a character input mode.
3. Review your reply and press  to **Send**.





Downloading Premium Content

With data services and your Samsung A660, you have access to a dynamic variety of premium content such as downloadable Games, Ringers, Screen Savers, and other applications. The basic steps required to access and download Premium Service content are outlined below.

Note: Please contact your wireless service provider for information on the availability of premium content downloads.

Accessing the Download Menus

To access the data services download menus:

1. Press   for **Downloads**.
2. Select the type of file you wish to download (**Games, Ringers, Screen Savers, or Applications**) and press .
3. Select **Get New** and press . (The browser will launch and take you to the corresponding download menu.)

To access the download menus from the Web browser:


1. From the home page, select **Downloads**.
2. Select **Games, Ringers, Screen Savers, or Applications** to go to the corresponding download menu. (For more information on navigating the Web, see “Navigating the Web” on page 111.)

Selecting an Item to Download

You can search for available items to download in a number of ways:

- **Featured** displays a rotating selection of featured items.
- **Browse Category** allows you to narrow your search to a general category, such as Movie/TV Themes for Ringers or College Logos for Screen Savers. (There may be several pages of available content in a list. Select **Next 9** to view additional items.)
- **Search** allows you to use your keypad to enter search criteria to locate an item. You may enter an entire word or title or perform a partial-word search (for example, entering “goo” returns “Good Ol’ Boy,” “The Good, the Bad, and the Ugly,” and “Goofy - Club”).

Downloading an Item

Once you’ve selected an item you wish to download, highlight it and press  or select **OK** (left softkey). You will see a summary page for the item including its title, the vendor, the download detail, the file size, and the cost. Links allow you to view the **License Details** page, which outlines the price, license type, and length of license for the download, and the **Terms of Use** page, which details the Premium Services Terms of Use and your responsibility for payment.


To download a selected item:

1. From the information page, select **Buy**. (The item will download automatically. When the **New Download** screen appears, the item has successfully been downloaded to your phone).
2. Select **Use** (left softkey) to assign the downloaded item (or to play, in the case of a game).

- or -

Select **Shop** (right softkey) to look for other items to download.

- or -

Press  to quit the browser and return to standby mode.

Accessing Games





You can play a variety of entertaining and graphically-rich games on your Samsung A660. New games are easy to download and play.

Note: Please contact your wireless service provider for information on the availability of premium content downloads.

Tip: For complete instructions on downloading, see “Downloading Premium Content” on page 116.





Downloading Games

To download an available game to your phone:




1. Press   for **Downloads**.
2. Highlight **Games** and press .
3. Highlight **Get New** and press . (The browser will launch and take you to the Games download menu.)
4. Use your navigation key to highlight and select a game you wish to download. (For more information on navigating the Web, see “Navigating the Web” on page 111.)
5. Select **Buy** from the item information page. (The game will download automatically. When the New Download screen appears, the game has successfully been downloaded to your phone).

Playing Games

To play a downloaded game on your PCS Phone:

1. Press   for **Downloads**.
2. Highlight **Games** and press .
3. Select the game you wish to play.
4. Select **Yes** () if a prompt displays the days remaining on the game license and asks if you want to continue.
5. Follow the onscreen instructions to play the game.

To quit a game:

1. When you are finished playing, select **Exit** (or **Quit**) or press . (A prompt will display: “Really terminate this application?”)
2. Select **Yes** () to exit.
- or -
Select **No** () to cancel.







Game Pad

The optional Game Pad accessory allows you to insert your phone into a convenient handheld gaming device to control the action of downloaded games. Large buttons and navigation controls allow you to navigate easily through the phone’s menu system. When your phone is inserted correctly into the Game Pad, a “Digital Game Pad is Attached” message is displayed on-screen.

Get Device

The Get Device setting keeps the Game Pad synchronized with your phone. If you experience problems while playing a game, the phone and Game Pad can be re-synchronized by accessing this option.












To access:

1. With the phone plugged into the Game Pad, press   for **Settings**.
2. Press  for **Others**.
3. Press  for **Game Pad**.
4. Press  for **Get Device**.
5. Press  to Return and complete the re-synchronization.

Key Re-mapping

You can also re-map the keys to allow easier game play. Re-mapping the keys allows you to customize how the game pad operates when a specific button is pressed.

To re-map:

1. Press   for **Settings**.
2. Press  for **Others**.
3. Press  for **Game Pad**.
4. Press  for **Key Remap**.
5. Press  for **Cursor Key**,  for **Fire Key**, or  for **Other Key**.
6. Press the navigation key up or down to highlight the desired key option.
7. Press  to view all the options associated with that key.
8. Press the navigation key up or down to highlight the desired key change.
9. Press  to **Save**.
10. Press  to exit.

Accessing Ringers





You can personalize your phone by downloading and assigning different ringers to numbers in your address book.

Note: Please contact your wireless service provider for information on the availability of premium content downloads.

Tip: For complete instructions on downloading, see “Downloading Premium Content” on page 116.

Downloading Ringers












To download an available ringer to your phone:

1. Press   for **Downloads**.
2. Highlight **Ringers** and press .
3. Highlight **Get New** and press . (The browser will launch and take you to the Ringers download menu.)
4. Use your navigation key to highlight and select a ringer you wish to download. (For more information on navigating the Web, see “Navigating the Web” on page 111.)
5. From the item information page, select **Buy**. (The ringer will download automatically. When the **New Download** screen appears, the ringer has successfully been downloaded to your phone).

Assigning Downloaded Ringers

You can assign downloaded ringers directly from the Downloads menu or through your phone's Settings menu.

To assign a downloaded ringer from the Downloads menu:

1. Press   for **Downloads**.
2. Highlight **Ringers** and press .
3. Highlight a ringer and press  to play the ringer. (Select **Stop** [left softkey] to stop the playback.)
4. Press  to return to the **Ringers** menu.
5. Press   for **Set as**.
6. Press  for **Voice Calls**.
7. Press  for **With Caller ID** or  for **No Caller ID**.
8. Press  to exit.

To assign a downloaded ringer from the Settings menu:

- ▶ See “Selecting Ringer Types for Voice Calls” on page 27.

– or –

See “Selecting Ringer Types for Messages” on page 28.

Note: You may assign a ringer to more than one type of call.

Purchasing Ringers

You can purchase ringers directly from your phone by following the instructions on page 116.

Accessing Screen Savers





Download unique images to use as screen savers – or make it easy to tell who’s calling by assigning specific images to numbers in your address book.

Note: Please contact your wireless service provider for information on the availability of premium content downloads.

Tip: For complete instructions on downloading, see “Downloading Premium Content” on page 116.

Downloading Screen Savers

To download an available Screen Saver to your phone:










1. Press   for **Downloads**.
2. Highlight **Screen Savers** and press .
3. Highlight **Get New** and press . (The browser will launch and take you to the Screen Savers download menu.)
4. Use your navigation key to highlight and select a Screen Saver you wish to download. (For more information on navigating the Web, see “Navigating the Web” on page 111.)
5. From the item information page, select **Buy**. (The screen saver will download automatically. When the **New Download** screen appears, the screen saver has successfully been downloaded to your phone).

Note: You may store a limited number of downloaded Screen Savers on your phone, depending on the file sizes. Additional downloads will be stored in **My Content Manager**.

Assigning Downloaded Screen Savers

Downloaded Screen Savers may be assigned directly from the Downloads menu or through the Settings menu.

To assign a downloaded Screen Saver from the Downloads menu:

1. Press   for **Downloads**.
2. Highlight **Screen Savers** and press .
3. Highlight a Screen Saver and press .
4. Press  to return to the **Screen Savers** menu.
5. Press   for **Set as**.
6. Press  for **Screen Saver**.
7. Press  to exit.

To assign a downloaded Screen Saver from the Settings menu:

- ▶ See “Changing the Display Screen” on page 34.

Purchasing Screen Savers

You can purchase Screen Savers directly from your phone by following the instructions on page 116.

Exploring the Web

With Web access on your Samsung A660, you can browse full-color graphic versions of your favorite Websites, making it easier than ever to stay informed while on the go. Follow sports scores and breaking news and weather and shop on your phone anywhere on the available network.

In addition to the features already covered in this section, the home page offers access to these colorful, graphically rich Web categories. Many sites are available under more than one menu - choose the one that's most convenient for you.

- **News.** Get up-to-the-minute news regarding finance, business, sports, and entertainment.
- **Weather.** Get current weather conditions and forecasts.
- **Entertainment.** Get the latest buzz on your favorite stars as well as movie and music reviews.
- **Sports.** Enjoy current news, statistics, and sports scores, as well as updates of events in progress.
- **Finance.** Get stock quotes, make trades, and check your bank account online.
- **Travel.** Access flight information and make dining arrangements from travel Websites.
- **Shopping.** Browse or purchase from popular shopping Websites.
- **Tools.** Use tools to access yellow pages, white pages - even reverse phone number look-up or search for other Websites or images.
- **Business Links.** Access links to many business-related sites.
- **Search.** Search keywords, articles, and even images.

Using the Browser Menu


Navigating the Web from your phone using the home page is easy once you get the hang of it. For details on how to navigate the Web, select menu items, and more, see “Navigating the Web” on page 111.

Although the home page offers a broad and convenient array of sites and services for you to browse, not all sites are represented, and certain functions, such as going directly to specific Websites, are not available. For these and other functions, you will need to use the browser menu. The browser menu offers additional functionality to expand your use of the Web on your phone.

Opening the Browser Menu

The browser menu may be opened anytime you have an active data session, from any page you are viewing.

To open the browser menu:



- ▶ During an active data session, press .

Options available under the browser menu allow you to create, access, and manage bookmarks, enter Web page addresses directly, refresh Web pages, and more.

Creating a Bookmark

Bookmarks allow you to store the address of your favorite Websites for easy access at a later time.

To create a bookmark:




1. Go to the Web page you want to mark.
2. Press  to access the browser menu.
3. Select **Mark Site** (.
4. Use your keypad to edit the bookmark title and URL (if necessary) and select **Save** to save the bookmark.

Note: Bookmarking a page does not store the page contents, just its address.

Some pages cannot be bookmarked. Whether a particular Web page may be marked is controlled by its creator.



Accessing a Bookmark

To access a bookmark:

1. Access the browser menu by pressing .
2. Select **View Bookmarks** (.
3. Highlight the bookmark you'd like to access and press  to go to the Website.




Deleting a Bookmark

To delete a bookmark:

1. Access the **View** menu as outlined above in steps 1-2.
2. Press  and select **Delete**.
3. Press the navigation key up to select **Yes** and press  to delete.

Going to a Specific Website

To go to a particular Website by entering a URL (Website address):

1. Press .
2. Select **Go to URL** (.
3. Use your keypad to enter the URL of the Website you wish to go to and press .

Note: Not all Websites are viewable on your phone.

Reloading a Web Page

To reload (refresh) a Web page:

1. Press .
2. Select **Refresh this page** (.

Restarting the Web Browser

If the Web browser appears to be malfunctioning or stops responding, you can usually fix the problem by simply restarting the browser.

To restart the Web browser:

1. Press .
2. Select **Restart Browser** (option 11).

Data Services FAQs


How will I know when my phone is ready for data service?

Your user name will display in the **Phone Info** option in your phone's Settings menu.

How do I sign-in for the first time?

You are automatically signed in to access data services when you turn on your phone.


How do I know when my phone is connected to data services?

Your phone automatically connects when data service is used or an incoming message arrives. Your phone will also display the  icon. (Connecting takes about 10-12 seconds.)

Can I make calls and use data services at the same time?

You cannot use voice and data services simultaneously. If you receive a call while data service is active, the call will be forwarded to voicemail. You can place an outgoing call anytime, but it will interrupt any in-progress data session.





When is my data connection active?

Your connection is active when data is being transferred. Outgoing calls are allowed; incoming calls go directly to voicemail. When active, the  indicator flashes on your phone's display screen.

When is my data connection dormant?

If no data is received for 10 seconds, the connection goes dormant. When the connection is dormant, voice calls are allowed. (The connection may become active again quickly.) If no data is received for an extended period of time, the connection will terminate.

Can I sign out of data services?

You can sign out without turning off your phone; however you will not be able to browse the Web or use other data services. While signed out, you can still place or receive phone calls, check voicemail, and use other voice services. You may sign in again at any time. To sign out, go to     for **Disable Web**.

Safety and Warranty Information

Safety

In This Section

- ◆ **Health and Safety Information**
 - ◆ **Product Performance**
-

Part of getting the most out of your phone is learning how the phone works and how to care for it. This section outlines important safety and performance guidelines that help you understand the basic features of your phone's operation.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. Body-worn operations are restricted to Samsung-supplied, approved, or non-Samsung designated accessories that have no metal and must provide at least 1.5 cm separation between the device, including its antenna (whether extended or retracted) and the user's body. Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

AMPS mode (Part 22):

Head: **1.36** W/kg; Body-worn: **0.923** W/kg

PCS mode (Part 24):

Head: **0.88** W/kg; Body-worn: **0.667** W/kg

SAR information on this and other model phones can be viewed on-line at www.fcc.gov/oet/fccid. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. (This phone's FCC ID number: **a3lspa660**.) Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is

hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace, or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which

people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that handsfree kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hand-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000. FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations:

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>
- Environmental Protection Agency (EPA):
<http://www.epa.gov/radiation/>
- Occupational Safety and Health Administration's (OSHA):
<http://www.osha-slc.gov/SLTC/radiofrequencyradiation/index.html>
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/emfpg.html>

- World health Organization (WHO):
<http://www.who.int/peh-emf/>
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>
- National Radiation Protection Board (UK):
<http://www.nrp.org.uk>
- Updated 4/3/2002: US food and Drug Administration
<http://www.fda.gov/cellphones>

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold. When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident, or medical emergencies. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.

10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

“The wireless industry reminds you to use your phone safely when driving.”

For more information, please call 1-888-901-SAFE, or visit our web-site www.woww.com.com. Provided by the Cellular Telecommunications & Internet Association

Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker.

These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on.
- should not carry the phone in a breast pocket.
- should use the ear opposite the pacemaker to minimize potential interference.

If you have any reason to suspect that interference is taking place, switch your phone off immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.

3. Press the **Talk** key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children's Access to Your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed and portable wireless equipment in the area over the air bag or in the

air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal. If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- Hold the phone with the antenna raised, fully-extended and over your shoulder.
- Try not to hold, bend or twist the phone's antenna.
- Don't use the phone if the antenna is damaged.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas.

Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Manufacturer's Warranty

In This Section

- ◆ **Manufacturer's Warranty**
 - ◆ **Intellectual Property Statement**
-

Your A660 has been designed to provide you with reliable, worry-free service. If for any reason you have a problem with your equipment, please refer to the manufacturer's warranty.

This section contains the manufacturer's warranty and intellectual property statement for your wireless phone.

Manufacturer's Warranty

STANDARD LIMITED WARRANTY

What is Covered and For How Long?

SAMSUNG TELECOMMUNICATIONS AMERICA, L.P. ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case/Pouch	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered?

This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations?

During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are the Limits On SAMSUNG's Liability?

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- "THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- "WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- "DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- "THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- "COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO."

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THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE/PROVINCE TO PROVINCE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS.

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This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

Samsung Telecommunications America, L.P.

1130 E. Lookout Drive
Richardson, Texas 75082

Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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Headquarters

1301 East Lookout Dr.
Richardson, TX 75082

Tel: 972.761.7000
Fax: 972.761.7001

Customer Care Center

1601 E. Plano Parkway, Suite 150
Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)
Fax: 972.761.7001 and 972.761.7501

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